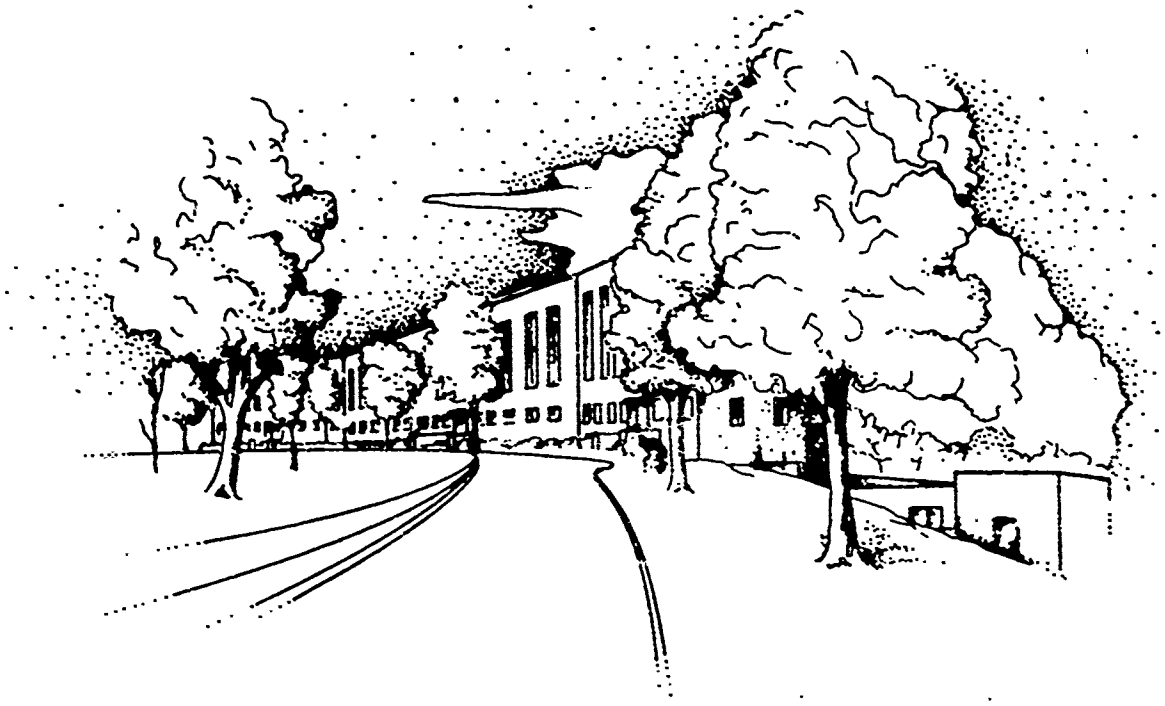
AD750271

NMRI

NAVAL MEDICAL RESEARCH INSTITUTE



BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION

RESEARCH REPORT

MF12.524.015-0004B

REPORT NO. 2
REVISED

Reproduced by
NATIONAL TECHNICAL
INFORMATION SERVICE
U S Department of Commerce
Springfield VA 22151

BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION

Zorach R. Glaser, Ph.D.
LT, MSC, USNR

Research Report

Project MF12.524.015-0004B, Report No. 2

Naval Medical Research Institute
National Naval Medical Center
Bethesda, Maryland 20014, U.S.A.

4 October 1971

Second Printing, with Revisions,
Corrections, and Additions: 20 April 1972
(Supersedes AD No. 734391)

ABSTRACT

More than 2000 references on the biological responses to radio frequency and microwave radiation, published up to June 1971, are included in the bibliography.* Particular attention has been paid to the effects on man of non-ionizing radiation at these frequencies. The citations are arranged alphabetically by author, and contain as much information as possible so as to assure effective retrieval of the original documents. An outline of the effects which have been attributed to radio frequency and microwave radiation is also part of the report.

*Three supplementary listings bring the number of citations to more than 2300.

Key Words

Biological Effects
Non-Ionizing Radiation
Radar Hazards
Radio Frequency Radiation
Microwave Radiation
Health Hazards
Bibliography
Electromagnetic Radiation Injury

The comments upon and criticisms of the literature made in this report, and the recommendations and inferences suggested, are those of the author, and do not necessarily reflect the views of the Navy Department or of the Naval Service.

Security Classification

DOCUMENT CONTROL DATA - R & D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

ORIGINATING ACTIVITY (Corporate author)	2a. REPORT SECURITY CLASSIFICATION
NAVAL MEDICAL RESEARCH INSTITUTE NATIONAL NAVAL MEDICAL CENTER BETHESDA, MARYLAND 20014	UNCLASSIFIED 2b. GROUP

3. REPORT TITLE

BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION

4. DESCRIPTIVE NOTES (Type of report and inclusive dates)

Medical research interim report, bibliographic (Current to April 1972)

5. AUTHOR(S) (First name, middle initial, last name)

Zorach R. GLASER, Ph.D.
LT, MSC, USN

6. REPORT DATE	7a. TOTAL NO. OF PAGES	7b. NO. OF REFS
Revised 20 April 1972 (4 October 1971, Original)	~~163~~ 106	2,311

8a. CONTRACT OR GRANT NO.	9a. ORIGINATOR'S REPORT NUMBER(S)
b. PROJECT NO	MF12.524.015-0004B, Report No. 2, Revised
c.	9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)
d.	

10. DISTRIBUTION STATEMENT

THIS DOCUMENT HAS BEEN APPROVED FOR PUBLIC RELEASE AND SALE; ITS DISTRIBUTION IS UNLIMITED.

11. SUPPLEMENTARY NOTES	12. SPONSORING MILITARY ACTIVITY
	BUREAU OF MEDICINE AND SURGERY (NAVY) WASHINGTON, D.C. 20390

13. ABSTRACT

More than 2300 references on the biological responses to radio frequency and microwave radiation, published up to April 1972, are included in this bibliography of the world literature. Particular attention has been paid to the effects on man of non-ionizing radiation at these frequencies. The citations are arranged alphabetically by author, and contain as much information as possible so as to assure effective retrieval of the original documents. Soviet and East European literature is included in detail. An outline of the effects which have been attributed to radio frequency and microwave radiation is included as Chapter 1. The revised report (which supersedes DDC report AD#734391) is updated with the inclusion of three supplementary listings, and has incorporated many corrections and additions to the original 2100 citations.

DD FORM 1 NOV 65 1473

UNCLASSIFIED
Security Classification

UNCLASSIFIED
Security Classification

14 KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Biological effects						
Non-ionizing radiation						
Radar hazards						
Radio frequency radiation						
Microwave radiation						
Health hazards						
Bibliography						
Electromagnetic radiation injury						
Radiation adverse effects						

TABLE OF CONTENTS

	PAGE
Abstract	2
Table of Contents	3
Foreword	4
Acknowledgments	5
Chapter 1, Outline of Reported Biological Phenomena ('Effects') and Some Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation	7
Chapter 2, Bibliography, Alphabetical Listing	12
Unsigned Reports and Articles	83
Addenda, Alphabetical by Author	87
Addenda, Unsigned Reports and Articles	89
First Supplementary Listing (5 October 1971)	91
Appendix A, Accession Numbers and Sources	92
Second Supplementary Listing (21 November 1971)	93
Third Supplementary Listing (17 April 1972)	95

Foreword

It is the hope of the author that this bibliography will provide guidance to the diffuse and conflicting literature on the biological responses to electromagnetic radiation at radio- and microwave-frequencies, with particular reference to the effects of concern to man. Such guidance is needed in the formulation and appraisal of criteria and limits of human exposure to "non-ionizing" radiation, and in the planning and conduct of future research.

The original plans were to categorize and key the literature citations to the "outline of biological and clinical effects" (Chapter 1). This proved to be a much more difficult and time-consuming task than anticipated, and was actually completed only for about 400 papers. Thus, the letter-number combinations given in square brackets for some of the "A" through "C" citations refer to the outline. [NV] indicates the citation was "not verified".

The standard format used throughout the bibliography is: author, (date), journal, volume, (issue): page, "title". The authors are alphabetized, and in chronological order. Multiple authors are also alphabetically ordered according to the second, third, etc., author. Inclusive pagination is given where possible, as is the original language of the citation. Report accession and translation numbers (some of which are cited in Appendix A), and alternate sources are listed when known. The title of books is underlined. When the title of the report was not available (or not given), a short (one line) description of the paper is listed whenever possible. Reports in which the name of the author was not given are listed chronologically using the format, "title", reference, source, (date). In many cases the citation was obtained from secondary (and tertiary) sources. For this reason it was impossible to put every citation into a consistent format.

In a few cases, papers have been cited which were presented at symposia or meetings devoted to the present topic, even when the report title suggests that it does not pertain directly to the topic. This has been done to show the wide range of items considered relevant (at least at the time of the meeting, and by the organizing chairman) in past years. An example is "electroanesthesia".

A few citations of marginal and/or peripheral relationship have also been included so that the reader may judge the applicability to his individual research needs. Examples are reports dealing with the biological effects of static and alternating magnetic fields, experimental techniques using radio frequency and microwave radiation (e.g., electron spin resonance, and nuclear magnetic resonance spectroscopy), and microwave exposure limits, regulations, and standards.

References for a few limited-distribution government reports are available upon request.

The author welcomes information which will correct errors and omissions (both of which no doubt exist). Copies of new papers would be greatly appreciated, and would encourage updating and revising the bibliography periodically.

ACKNOWLEDGMENTS

The assistance and support received during the preparation of this bibliography have been considerable, and I am happy to acknowledge my indebtedness and gratitude. Drs. John Keesey and Dennis Heffner, former and present Heads of the Biophysics Division, and Dr. Seymour Friess, Director of the Environmental Biosciences Department of the Naval Medical Research Institute, permitted me the opportunity to work on the bibliography, and offered frequent encouragement.

Acknowledgment is also due to many friends and associates for their helpful suggestions, comments, and loans and/or gifts of reports or other material, which have been invaluable in the course of the work. Mr. Glenn Heimer of the Naval Ship Engineering Center contributed an extensive collection of government reports and documents, many of which had not previously been cited in the open literature.

Special help in tracing and in the acquisition of relevant papers has been received from the librarians and staff members of the NMRI library: Mrs. Thelma Robinson, Mrs. Ernestine Gendleman, Mrs. Eleanor Capps, and Miss Deborah Grove. Their diligence and resourcefulness in tracing and obtaining copies of a large number of papers and reports, often in spite of incomplete and/or inaccurate citations given in other sources, enabled me to include many relevant items in the bibliography.

Mr. Christopher Dodge of the Scientific and Technical Center, Department of the Navy, provided much of the Soviet Bloc literature, linguistic and other technical assistance, and in addition offered valuable comments and encouragement throughout the preparation of this report. Especially noteworthy were the corrections and improvements suggested by Chris following his reading of the entire manuscript.

Helpful also in locating some of the Soviet literature was Mr. E. S. Serebrennikov, of the Science and Technology Division, The Library of Congress.

Credit is due Mrs. Anna Woke (of this Institute) for translating many of the German papers; to Dr. Emilio Weiss, who translated from the Italian, and to Mrs. Edith Pugh who typed many "first drafts"; also to Mrs. Rhoda Glaser for her help in many aspects of the work.

Mrs. Fannie Epstein deserves special mention for her outstanding editorial assistance, and especially for the heroic typing, organization, and checking of the entire report.

The Outline of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation, is patterned after that given by R. Murray, et al., in an article entitled, "How safe are microwaves", which appeared in Non-Ionizing Radiation 1(1):7-8 (1969). Some of the "effects" were listed in the report by S. F. Cleary and W. T. Ham, Jr., entitled, "Considerations in the evaluation of the biological effects on exposure to microwave radiation", (Background document, Part I, 1969, for the Task Force on Research Planning in Environmental Health, Subtask Force on Physical Factors in the Environment). The discussion and suggestions offered by Byron McLees, Edward Finch, Lewis Gershman, and Christopher Dodge relating to the Outline are also gratefully acknowledged.

Preparation of the bibliography was supported by the Bureau of Medicine and Surgery, Department of the Navy, under work unit MF12.524.015-0004B.

CHAPTER 1

Reported Biological Phenomena ("Effects") and Some Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation (See Note)

A. Heating of Organs* (Applications: Diathermy, Electrosurgery, Electrocoagulation, Electrodesiccation, Electrotomy)

1. Whole Body (temperature regulation defects), Hyperpyrexia
2. Skin
3. Bone and Bone Marrow
4. (a) Lens of Eye (cataractous lesions - due to the avascular nature of the lens which prevents adequate heat dissipation.) (b) Corneal damage also possible at extremely high frequencies.
5. Genitalia (tubular degeneration of testicles)
6. Brain
7. Sinuses
8. Metal Implants (burns near hip pins, etc.)

The effects are generally reversible except for 4a.

B. Changes in Physiologic Function

1. Striated Muscle Contraction
2. Alteration of Diameter of Blood Vessels (increased vascular elasticity), Dilation
3. Changes in the Oxidative Processes in Tissues and Organs
4. Liver Enlargement
5. Altered Sensitivity to Drug Stimuli
6. Decreased Spermatogenesis (decreased fertility, to sterility)
7. Altered Sex Ratio of Births (more girls!)
8. Altered Menstrual Activity
9. Altered Fetal Development
10. Decreased Lactation in Nursing Mothers
11. Reduction in Diuresis (Na^+ excretion, via urine output)
12. Altered Renal Function (decreased filtration in tubules)
13. Changes in Conditioned Reflexes
14. Decreased Electrical Resistance of Skin
15. Changes in the Structure of Skin Receptors of the (a) Digestive, and (b) Blood-Carrying Systems
16. Altered Blood Flow Rate

---

* It is also reported that low levels of irradiation produce a cooling effect - "hypercompensation".

Note: These effects are listed without comment or endorsement since the literature abounds with conflicting reports. In some cases the basis for reporting an "effect" was a single or a non-statistical observation which may have been drawn from a poorly conceived (and poorly executed) experiment.

17. Alterations in the Biocurrents (EEG?) of the Cerebral Cortex (in animals)
18. Changes in the Rate of Clearance of Tagged Ions from Tissue
19. Reversible Structural Changes in the Cerebral Cortex and the Diencephalon
20. Electrocardiographic (EKG) Changes
21. Alterations in Sensitivity to Light, Sound, and Olfactory Stimuli
22. Functional (a) and Pathological (b) Changes in the Eyes: (a) decrease in size of blind spot, altered color recognition, changes in intraocular pressure, lacrimation, trembling of eyelids; (b) lens opacity and coagulation, altered tissue respiration, and altered reduction-oxidation processes
23. Myocardial Necrosis
24. Hemorrhage in Lungs, Liver, Gut, and Brain } At Fatal Levels
25. Generalized Degeneration of all Body Tissue } of Radiation
26. Loss of Anatomical Parts
27. Death
28. Dehydration
29. Altered Rate of Calcification of Certain Tissue

C. Central Nervous System Effects

1. Headaches
2. Insomnia
3. Restlessness (Awake and During Sleep)
4. Electroencephalographic (EEG) Changes
5. Cranial Nerve Disorders
6. Pyramidal Tract Lesions
7. Conditioned Reflex Disorders
8. Vagomimetic Action of the Heart; Sympaticomimetic Action
9. Seizures, Convulsions

D. Autonomic Nervous System Effects

1. Neuro-vegetative Disorders (e.g., alteration of heart rhythm)
2. Fatigue
3. Structural Alterations in the Synapses of the Vagus Nerve
4. Stimulation of Parasympathetic Nervous System (Bradycardia), and Inhibition of the Sympathetic Nervous System

E. Peripheral Nervous System Effects

Effects on Locomotor Nerves

F. Psychological Disorders ("Human Behavioral Studies") - the so-called "Psychophysiologic (and Psychosomatic) Responses"

1. Neurasthenia - (general "bad" feeling)
2. Depression
3. Impotence
4. Anxiety
5. Lack of Concentration
6. Hypochondria
7. Dizziness
8. Hallucinations
9. Sleepiness
10. Insomnia
11. Increased Irritability
12. Decreased Appetite
13. Loss of Memory
14. Scalp Sensations
15. Increased Fatigability
16. Chest Pain
17. Tremor of the Hands

G. Behavioral Changes (Animal Studies)

Reflexive, Operant, Avoidance, and Discrimination Behaviors

H. Blood Disorders

(V = in vivo)
(v = in vitro)

Changes in:

1. Blood and Bone Marrow
2. Phagocytic (polymorphs) and Bactericidal Functions of Blood (V,v)
3. Hemolysis Rate (increase), (a shortened lifespan of cells)
4. Sedimentation Rate (increase), (due to changes in serum protein levels or amount of fibrinogen (?))
5. Number of Erythrocytes (decrease), also number of Lymphocytes
6. Blood Glucose Concentration (increase)
7. Blood Histamine Content
8. Cholesterol and Lipids
9. Gamma (also α and β) Globulin, and Total Protein Concentration
10. Number of Eosinophils
11. Albumin/Globulin Ratio (decrease)
12. Hemopoiesis (rate of formation of blood corpuscles)
13. Leukopenia (increase in number of white cells), and Leukocytosis
14. Reticulocytosis

I. Vascular Disorders

1. Thrombosis
2. Hypertension

J. Enzyme and Other Biochemical Changes

Changes in activity of:
1. Cholinesterase (V,v)
2. Phosphatase (v)
3. Transaminase (v)
4. Amylase (v)
5. Carboxydismutase

6. Protein Denaturation
7. Toxin, Fungus, and Virus Inactivation (at high radiation dose levels), Bacteriostatic Effect
8. Tissue Cultures Killed
9. Alteration in Rate of Cell Division
10. Increased Concentration of RNA in Lymphocytes, and Decreased Concentration in Brain, Liver, and Spleen
11. Changes in Pyruvic Acid, Lactic Acid, and Creatinine Excretions
12. Change in Concentration of Glycogen in Liver (Hyperglycemia)
13. Alteration in Concentration of 17- Ketosteroids in Urine

K. Metabolic Disorders

1. Glycosuria (sugar in urine; related with blood sugar?)
2. Increase in Urinary Phenol (derivatives? DOPA?)
3. Alteration of Rate of Metabolic Enzymatic Processes
4. Altered Carbohydrate Metabolism

L. Gastro-Intestinal Disorders

1. Anorexia (loss of appetite)
2. Epigastric Pain
3. Constipation
4. Altered Secretion of Stomach "Digestive Juices"

M. Endocrine Gland Changes

1. Altered Pituitary Function
2. Hyperthyroidism
3. Thyroid Enlargement
4. Increased Uptake of Radioactive Iodine by Thyroid Gland
5. Altered Adrenal Cortex Activity
6. Decreased Corticosteroids in Blood
7. Decreased Glucocorticoidal Activity
8. Hypogonadism (usually decreased testosterone production)

N. Histological Changes

1. Changes in Tubular Epithelium of Testicles
2. Cross Changes

O. Genetic and Chromosomal Changes

1. Chromosome Aberrations (e.g., linear shortening, pseudochiasm, diploid structures, amitotic division, bridging, "sticky" chromosomes, irregularities in chromosomal envelope)
2. Mutations
3. Mongolism
4. Somatic Alterations (changes in cell not involving nucleus or chromosomes, cellular transformation)
5. Neoplastic Diseases (e.g., tumors)

P. Pearl Chain Effect (Intracellular orientation of subcellular particles, and orientation of cellular and other (non-biologic) particles)

Also, orientation of animals, birds, and fish in electromagnetic fields

Q. Miscellaneous Effects

1. Sparking between dental fillings
2. Peculiar metallic taste in mouth
3. Changes in Optical Activity of Colloidal Solutions
4. Treatment for Syphilis, Poliomyelitis, Skin Diseases
5. Loss of Hair
6. Brittleness of Hair
7. Sensations of Buzzing Vibrations, Pulsations, and Tickling About the Head and Ears
8. Copious Perspiration, Salivation, and Protrusion of Tongue
9. Changes in the Operation of Implanted Cardiac Pacemakers
10. Changes in Circadian Rhythms

CHAPTER 2

BIBLIOGRAPHY OF REPORTED BIOLOGICAL PHENOMENA ('EFFECTS') AND CLINICAL MANIFESTATIONS ATTRIBUTED TO MICROWAVE AND RADIO-FREQUENCY RADIATION

1. AARONSON, T. (1970) Environment 12(4):2-10, "Mystery" [A good review article]

2. ABRAMSON, E. I., BELL, Y., REJAL, H., TUCK, S., BURNETT, C., & FLEISCHER, C. J. (1960) Amer. J. of Physical Med. 39:87-95, "Change in blood flow, oxygen, uptake, and tissue temperatures produced by therapeutic physical agents, II. Effect of shortwave diathermy" [A2, B2, B3, B16]

3. ABRAMSON, D. I., HARRIS, A. J., BEACONSFIELD, P., & SCHROEDER, J. M. (1957) Arch. of Physical Med. 38:369-376, "Changes in peripheral blood flow produced by shortwave diathermy" (I) [B16, I2]

4. ABRIKOSOV, I. A. (1954) Dissertation, Moscow, "The Impulse UHF Field in Experimental and Clinical Practice" (NV)

5. ABRIKOSOV, I. A. (1955) Theses of Reports of the Scientific Session of the State Sci. Res. Inst. of Physiotherapy, Moscow, pp. 28-29, "The Action of a Pulsed Electric UHF Field on the Organism" (NV)

6. ADDINGTON, C. H., FISCHER, F. P., NEUBAUER, R. A., OSBORN, C., SARKEES, Y. T., & SWARTZ, G. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:189-201, "Review of the work at University of Buffalo - Studies of the biological effects of 200 megacycles: I. Electrical facilities and instrumentation; II. Ophthalmological studies"

7. ADDINGTON, C. H., NEUBAUER, R. A., OSBORN, C., SWARTZ, G., FISCHER, F. P., & SARKEES, Y. T. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:1-9, "Biological effects of microwave energy at 200 megacycles upon the eyes of selected mammals" [A4, B22]

8. ADDINGTON, C. H., OSBORN, C., SWARTZ, G., FISCHER, F. P., & SARKEES, Y. T. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:10-14, "Thermal effects of 200 megacycles (cw) irradiation as related to shape, location, and orientation in the field"

9. ADDINGTON, C. H., OSBORN, C., SWARTZ, G., FISCHER, F. P., NEUBAUER, R. A., & SARKEES, Y. T. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.) pp. 177-186, "Biological effects of microwave energy at 200 mc"

10. ADLER, E., & MAGORA, A. (1955) Amer. J. of Physical Med. 34:521-, "Experiments on the relation between shortwave irradiation and the pituitary cortical adrenal system" [M1]

11. AFANAS'YEV, B. G., (1968) Voyenno-Meditsinskiy Zh. (1):73-74, "The functional condition of the adrenal cortex in ship specialists who are subjected to the action of a super-high frequency EM field" [M5]

12. AKOYUNOGLOU, G. (1964) Nature (London) 202(4931):452-, "Effect of a magnetic field on carboxydismutase" [J]

13. ALBRECHT, W. (1935) Arch. of Physical Therapy 16:634 only, (Abstr. from: Zeitschrift fur Gesamte Experimentale Med. 93:816-, (Jun 1934)), "Development and form of shortwave thermal zones in an agar body" [A]

14. ALEKSEYENKO, N. YU. (1956) In: Materialy po evolyutsionnoy fiziologii. Simpozium (Materials on evolutionary physiology. Symposium), Moscow, Leningrad, 1:7-, [Title not given] [A UHF field evoked changes in muscle function of frogs]

15. ALEYEV, A. M., YELANTSEVA, V. R., & DZHUMAGALIYEV, M. (1961) Zdravookhraneniye Kazakhstana (Public Health of Kazakhstan) (4):75-78, (JPRS 9713), "Effect of a VHF-HF field on the course of experimental echinococcus" [B, J]

16. ALLAM, D. S. (1969) J. Microwave Power 4(2):108-114, "Conference Report: Radio and microwave radiations, applications, and potential hazards"

17. ALM, H. (1958) (In German) Berliner Medizinische Verlagsanstalt G.m.b.H, Berlin, 174 pages, Introduction to Microwave Therapy

18. ALTABASHEVA, V. P., & IL'YASHEVICH, M. I. (1934) Biulleten Gosudarstvennogo Tsentral'nogo Instituta Sechenova (Bull. of the State Central Institute of Sechenova) (4-5), "The effects of the action of short waves on the morphology and the physical and chemical behavior of the blood of the rabbit"

19. ALTMAN, C. (1969) Zoologischei Anzeiger, Germany, 32(Suppl):416-430, (In German) "The physiological effect of electric fields on animals"

20. AMER, N. (1956) Proc. Institute of Radio Engineers 44:2A-, "An observation on the detection by the ear of microwave signals" [Q7]

21. ANDRIYASHEVA, N. M. (1937) In: The Biological Action of VHF-HF-Ultrashort Waves (Kupalov, P. S., & Frenkel, G. L., eds.), All Union Institute of Experimental Medicine, Moscow, pp. 373-379, "Occupational hazard of VHF-HF and the preventive measures"

22. ANIKIN, M. M., & RUMYANTSOVA-RUSSKIKH, M. V. (1961) J. of Neuropathology and Psychiatry imeni S.S. Korsakov 61(8):1122-1128, "High frequency currents in the treatment of poliomyelitis in adults" [Q4]

23. ANNE, A., SAITO, M., SALATI, O. M., & SCHWAN, H. P. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.) pp. 153-176, "Relative microwave absorption cross sections of biological significance"

24. ANNE, A., SAITO, M., SALATI, O. M., & SCHWAN, H. P. (1962), Univ. of Penna. Rpt. No. 62-13, 125 pages, RADC-TDR-62-244, (AD 284981), "Penetration and thermal dissipation of microwaves in tissues" [A]

25. ANNE, A., SALATI, O. M., & SCHWAN, H. P. (1961) Digest of the 4th Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.) Plenum Press, New York, p. 153-, "Relative microwave absorption cross section of mankind"

26. ANNE, A., & SCHWAN, H. P. (1963) (From: Ph.D. Dissertation of A. Anne, Univ. of Penna., "Scattering and absorption of microwaves by dissipative dielectric objects: The biological significance and hazards to mankind"

27. ANTONOV, G. S. (1964) Voprosy Kurortologii, Fizioterapii, i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Science, Physiotherapy and Medical Physical Culture) Moscow, __(6):513-518, (JPRS 29384), "Combined treatment of pustulous skin diseases with ultra-high frequency electric field and staphylococcal anti-phagin electrophoresis" [B2, B16, B28, H2, H10, H13, H14, J6, Q4]

28. ARONOVA, S. B. (1955) Theses of Reports, Sci. Session of the State Sci. Res. Inst. of Physiotherapy, Moscow, "Comparative action of a pulse and continuous UHF field on the arterial pressure" [B16, I2] (NV)

29. ASANOVA, T. P., et al. (1963) Materials of the Sci. Session Concerned with the Work of the Institute of Industrial Hygiene and Occupational Diseases for 1962-1962, Leningrad, pp. 52-54, "The problem of the effect of high voltage industrial frequency electric frequency field on the organism of workers" (NV)

30. ASANOVA, T. P., & RAKOV, A. N. (1966) Gigiena Truda i Professional'nye Zabolevaniya, USSR, __(5):50-53, "The health of workers exposed to high voltage (400 to 500 KV) electric fields" (NV)

31. ASCHOFF, J. (1969) Aerospace Med. 40(8):844-849, "Desynchronization and resynchronization of human circadian rhythms" [Q10]

32. ASTANIN, P. P. (1937) In: The Biological Action of VHF-HF-Ultrashort Waves, (Kupalov, P. S., & Frenkel, G. L., eds.), All Union Institute of Experimental Medicine, Moscow, [Title not given] (NV)

33. ATANELISHVILLI, E. V. (1965) Soobshcheniya Akademia nauk Gruzinskoi SSR 37(2):453-458, "Changes in the functional state of the CNS in patients with resected stomachs during various physiotherapeutical procedures" [B, C] (NV)

34. AUSTIN, G. N., & HORVATH, S. M. (1949) Amer. J. Medical Sci. 218:115-, "Production of convulsions in rats by exposure to ultrahigh frequency electrical currents (radar)" [C9]

35. AUSTIN, G. N., & HORVATH, S. M. (1954) Amer. J. of Physical Med. 33:141-149, "Production of convulsions in rats by high frequency electrical currents" [A6, C9]

36. BABAKHANOV, P. V. (1948) Sbornik Voprosy Eksperimental'noy Fisioterapii (Tashkent) 10:95-, "Influence of various dosages of electrical fields of UHF on the isolated rabbit's heart" [B20, D1] (NV)

37. BABITSKII, E. L. (1966) Vrachebnoe Delo 1:143-, "Ultra high frequency therapy of patients with peptic ulcer" (NV)

38. BACH, S. A. (1965) Federation Proceedings, Supp. #14, S22-, "Biological sensitivity to radio-frequency and microwave energy" [H9, J4, J6]

39. BACH, S. A. (1961) Digest of the 4th Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.) "Changes in macromolecules produced by alternating electrical fields" [J4, J6]

40. BACH, S. A., BALDWIN, M., & LEWIS, S. A. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:82-93, "Some effects of ultrahigh frequency energy on primate cerebral activity" [C]

41. BACH, S. A., BROWNELL, A. S., LUZZIO, A. J., & SPOERL, E. S. (1960) U. S. Army Medical Res. Lab., Ft. Knox, Ky., Progress Rpt. CSCRD, 16 July 1959 to June 1960, pp. 12-16, (AD 239186), "Biomedical effects of microwave radiation" [H9, J6]

42. BACH, S. A., LUZZIO, A. J., & BROWNELL, A. S. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.) pp. 117-133, "Effects of radio frequency energy on human gamma globulin" [H9]

43. BACH, S. A. LUZZIO, A. J., & BROWNELL, A. S. (1961) J. of Medical Electronics 1(1):9-14, "Effects of RF energy on human gamma globulin" [H9]

44. BACH, S. A., & ROSENBAUM, J. C. (1965) In: U. S. Army Medical Res. Lab. Progress Rpt, (AD 470368), pp. 31-32, "Radio frequency effects on enzyme systems" [J5]

45. BACHEM, A. (1935) Arch. of Physical Therapy 16:645-650, "A selective heat production by ultrashort (Hertzian) waves" [A1, A2, A3]

46. BADENOCH, A. W. (1945) British Medical J. 2:601-603, "Descent of the testes in relation to temperature" [A]

47. BAGBY, R. B. (1960) Prepared by Bell Telephone Labs., N. Y., N. Y., Case #27675-2, (AD 244137), "Improved NIKE-HERCULES - personnel safety - microwave radiation", Memorandum for File

48. BAILEY, P. (1959) Aviation Week _:29-30 (May 4), (Quoted) "High intensity radiation produces convulsions, death in monkey" [A1, B27, C3, C9]

49. BAILLIE, H. D. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 59-65, "Thermal and nonthermal cataractogenesis by microwaves" (Also: Non-Ionizing Rad. 1(4):159-163 (1970))

50. BAILLIE, H. D., HEATON, A. G., & PAL, D. K. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 85-89, "The dissipation of microwaves as heat in the eye" (Also: Non-Ionizing Rad. 1(4):164-168 (1970))

51. BAKER, V. H., WIANT, D. E., & TABOADA, O. (1956) J. of Economic Entomology 49(1):33-37, "Some effects of microwaves on certain insects which infect wheat and flour"

52. BALDWIN, B. R., CONSTANT, P. C., Jr., JONES, B. L., RINGE, L., & WAIDELICH, D. L. (1961) U. S. Navy, Bureau of Ships Contract with Midwest Res. Inst., Kansas City, Mo., Interim Rpt #1, Oct. 1960; Rpt. #2 (AD #427612), 20 June 1961, Survey of radio frequency radiation hazards" [Rpt #2, P.]

53. BALDWIN, M. S., BACH, S. A., & LEWIS, S. A. (1960) Neurology 10(2):178-187, "Effects of radio-frequency energy on primate cerebral activity" [C3, C4, C9, P9]

54. BALUTINA, A. P. (1965) Bulletin of Experimental Biology and Med. 60(12):1385-1386, " Experimental injury to the eye with UHF electromagnetic fields" [A4, B22]

55. BALUTINA, A. P., & KOROBKOVA, T. L. (1969) Gigiena Truda i Professional'nye Zabolevaniya USSR 13(4):57-58, "Pathohistological alterations in the eyes of rabbits exposed to SHF-UHF radiation" [A4, B22]

56. BARANSKI, S. (1964) Military Inst. of Aviation Med. (5):pp.-, "Histochemical investigations on the microwave effect on the central nervous system" [C, N] (NV)

57. BARANSKI, S., CZEKALINSKI, L., CZERSKI, P., & HADUCH, S. (1963) Revue de medecine aeronautique (Paris) 2:108-111, "Experimental research on the fatal effect of microwetric wave electromagnetic radiation"

58. BARANSKI, S., & CZERSKI, P. (1966) Lekarz Wojskowy (Poland) (10):903-909, (In Polish) "Investigation of the behavior of corpuscular blood constituents in persons exposed to microwaves" [H1]

59. BARANSKI, S., & EDELWEJN, Z. (1968) Acta Physiologica Polonica 19(1):31-41, "Studies on the combined effect of microwaves and some drugs on bioelectric activity of the rabbit CNS" [B5, B19, C4]

60. BARANSKI, S., & EDELWEJN, Z. (1967) ACTA Physiologia Polonica 18(4):517-532 (423-436 Eng. Transl.), "Electroencephalographical and morphological investigation upon the influence of microwaves on the central nervous system"

61. BARBER, D. E. (1962) Institute of Radio Engineers Trans. on Biomedical Electronics 9(2):77-80, "The reaction of luminous bacteria to microwave radiation exposures in the frequency range of 2608.7 to 3082.3 Mc" [J6]

62. BARLOW, H. M. (1962) Institute of Radio Engineers Trans. on Instrumentation 1-2:257-, "Microwave power measurements"

63. BARNOTHY, M. F. (ed.) (1964, Vol. 1) (1969, Vol. 2) Plenum Press, New York, Biological Effects of Magnetic Fields

64. BARONENKO, V. A., & TIMOFEEVA, K. F. (1958) Zashchita ot deystviya elektrom. poley i elektr. toka v prom, Leningrad, pp. 48-59, "The effect of high and ultrahigh frequency EMF on the organism of man and animal" (NV)

65. BARONENKO, V. A., & TIMOFEEVA, K. F. (1959) Fiziologicheskiy Zh. SSSR Sechenov 45:184-188, "Effects of high frequency electromagnetic fields on the conditioned reflex activity and certain unconditioned functions of animals and men" [B13, C7] (NV)

66. BARRON, C. I., & BARAFF, A. A. (1958) J. of the Amer. Medical Assoc. 168(9):1194-1199 (Also U. S. Navy Medical News Letter 34(7):35-40, 1959), "Medical considerations of exposure to microwaves (radar)" [A, B, C, F, H, J, K]

67. BARRON, C. I., & BARAFF, A. A. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, P. W., eds.) 2:112-117, "Medical considerations of exposure to microwaves (radar)" [A, B, C, F, H, J, K]

68. BARRON, C. I., LOVE, A. A., & BARAFF, A. A. (1955) J. of Aviation Med. 26:442-452, (Also Institute of Radio Engineers Trans. on Medical Electronics, PGME-4:44 only, Feb. 1956) (AD #63851), "Physical evaluation of personnel exposed to microwave emanations" [A4, C, F, H, I, J, K, L]

69. BARTONICEK, V., & KLIMKOVA-DEUTCHOVA, E. (1964) Casopis Lekaru Ceskych CZ 103(1):26-30, (ATD Transl. U-64-95, AD #460106), (Also in: Biological Effects of Microwaves, ATD P-65-68, Sept. 1965, pp. 13-14, "Effect of centimeter waves on human biochemistry"), "Some biochemical changes in workers exposed to centimeter waves"

70. BASS, D. E., KLEEMAN, C. R., QUINN, M., HENSCHEL, A., & HEGNAUER, A. H. (1955) Medicine (Analytical Reviews of Gen. Med., Neurology, and Pediatrics) 34:323-380, "Mechanisms of acclimatization to heat in man"

71. BASSETT, H. L., ECKER, H. A., JOHNSON, R. C., & SHEPPARD, A. P. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2)197-204, "New techniques for implementing microwave biological-exposure systems"

72. BAUER, J., & GUTMAN, G. (1940) Urologic and Cutaneous Review 44(1):64-66, "The effect of diathermy on testicular function"

73. BAUS, R., & FLEMING, J. D. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Sussking, C., ed.) 3:291-313, "Biologic effect of microwave radiation with limited body heating"

74. BAVRO, G. V., & KHOLODOV, YU. A. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 3-4, "The character of bioelectric reactions of the rabbit cerebral cortex during the influence of a SHF-UHF field"

75. BAVRO, G. V., & KHOLODOV, YU. A. (1963) Gigiena Truda i Biol. Deyst. Electrom. Poley Radiochastot (Trudy, Inst. of Industrial Hygiene & Occupational Diseases, Acad. Medical Sci., Moscow), Occupational hygiene & biological effects of RF fields, p. 108-, [Title not given]

76. BAZETT, H. C. (1949) In: Physiology of Heat Regulation and the Science of Clothing, (Newburgh, ed.), W. B. Saunders, Philadelphia, Pa., pp. 109-192, "The regulation of body temperatures"

77. BEISCHER, D. E. (1962) Naval School of Aviation Med., and NASA Rpt, "Survival of animals in magnetic fields of 120,000 Gauss"

78. BEISCHER, D. E. (1964) In: Biological Effects of Magnetic Fields, Vol. 1, (Barnothy, M. F., ed.), Plenum Press, New York, Chapt. 11, pp. 201-, "Survival of animals in magnetic fields of 140,000 Oe"

79. BEISCHER, D. E., & COWART, G. S. (1970) Naval Aerospace Medical Institute Rpt NAMI-1105, "Growth of Staphylococcus aureus in a null magnetic field environment"

80. BEISCHER, D. E., & KNEPTON, J. C., JR. (1964) Naval School of Aviation Med. and NASA Rpt, "Influence of strong magnetic fields on the electrocardiogram of squirrel monkeys (Saimiri sciureus)"

81. BEISCHER, D. E., & KNEPTON, J. C., JR. (1966) Naval Aerospace Medical Institute (and NASA) Rpt NAMI-972, "The electroencephalogram of the squirrel monkey (Saimiri sciureus) in a very high magnetic field"

82. BEISCHER, D. E., & MILLER, E. F. II (1962) Research Rpt, Bureau of Med. & Surg. (Navy), "Exposure of man to low intensity magnetic fields"

83. BEISCHER, D. E., MILLER, E. F., II, & KNEPTON, J. C., JR. (1967) Naval Aerospace Medical Institute (and NASA) Rpt No. 1018, AD #662672, "Exposure of man to low intensity magnetic fields in a coil system"

84. BEKAURI, N. V. (1941) Fiziologicheskiy Zh. SSSR 30(2):173-, "The effect of ultrashort waves on the reflex excitability of frogs"

85. BEKKER, D. B., & MOGENDOVICH, M. R. (1948) In: Biological and Therapeutic Effect of a Magnetic Field and Strictly Periodic Vibrations, pp. 93-, "The effect of a magnetic field on osmotic processes in mice"

86. BELDING, H. S., & HATCH, T. F. (1955) Heating, Piping and Air Conditioning 27(8):129-136, "Index for evaluating heat stress in terms of resulting physiological strains"

87. BELITSKII, B. M., & KNORRE, K. G. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, [Title not given]

88. BELITSKII, B. M., & KNORRE, K. G. (1960) Trudy Nii Gigyena Truda i Profzabolevaniya USSR, __(1):107-117, (Also in: The Biological Action of Ultrahigh Frequencies, (Letavet, A. A., & Gordon, Z. V., eds.), Acad. of Med. Sci., USSR, Moscow, (JPRS 12471, 1962, pp. 110-122), "Protection from radiation in work with SHF-UHF Generators"

89. BELL, R. L., BLOCK, A. F., HERVIN, R. L., & GRAY, L. B. (1969) Goddard Space Flight Center, Greenbelt, Maryland, Rpt X-205-69-405, "Microwave radiation - its potential health hazards and their control"

90. BELL, W. H., & FERGUSON, D. (1931) U. S. Navy Medical Bulletin 29:525-551, "Effects of super-high frequency radio current on health of men exposed under service conditions" (Also Arch. of Physical Therapy _(12):pp.-, (1932))

91. BELOVA, S. F. (1957) In: Summaries of Reports, Part 2, Moscow, Jubilee Sci. Session of the Institute of Labor Hygiene & Occupational Diseases, dedicated to the 40th Anniv. of the Great October Socialistic Revolution, pp. 66-, "State of the organ of sight in persons subjected to the influence of ultrahigh frequency fields"

92. BELOVA, S. F. (1960) In: Physical Factors of the External Environment, Moscow, pp. 184-, "The state of the visual organ in persons exposed to superhigh frequency fields"

93. BELOVA, S. F. (1960) Trudy Nii Gigyena Truda i Profzabolevaniya, __(1):86-89, (Abstr. in: The Biological Action of Ultrahigh Frequencies, (Letavet, A. A., & Gordon, Z. V., eds.), Acad. of Med. Sci., USSR, Moscow, (JPRS 12471, pp. 89-93, 1962)), "Change in the elastotonometric curve in rabbits under the influence of SHF-UHF"

94. BELOVA, S. F. (1962) In: The Biological Action of Ultrahigh Frequencies, (Letavet, A. A. & Gordon, Z. V., eds.), Moscow, (JPRS 12471, pp. 36-38, 1962), "Influence of UHF on the organ of sight"

95. BELOVA, S. F. (1964) Trudy Nii Gigyena Truda i Profzabolevaniya USSR, __(2):119-121, "Results of sight organ examination in workers associated with MF-LF generators (150-600KC)"

96. BELOVA, S. F. (1964) Trudy Nii Gigyena Truda i Profzabolevaniya USSR, __(2):140-143, "Functional state of the visual analyzer under the action of microwaves"

97. BELOVA, S. F. (1960) In: Nauchnoissledovatel'skiy Institut Gigiena Truda i Provzabolevaniya. Trudy __(1):36-38 (Abstr. in: The Biological Action of Ultrahigh Frequencies, (Letavet, A. A., & Gordon, Z. V., eds.), Acad. of Med. Sci., USSR, Moscow, (JPRS 12471, 1962)), (AID Rpt. P-65-17 (1965)), "The effect of UHF on the eye"

98. BELOVA, S. F., & GORDON, Z. V. (1956) Bulletin Experimental Biology & Med. 41:327-330, "The effect of centimeter waves on the eye"

99. BENEDICT, W. L., DAILY, L., HERRICK, J. F., & WAKIM, H. J. (1951) Amer. J. of Ophthalmology, Series 3, 34:1301-, "The effects of microwave diathermy on the eye of a rabbit"

100. BENYO, I., FUSY, F., & IHASZ, M. (1965) Kiserletes Orvostudomany 7(5):454-458, "Effect of shortwave irradiation of the liver on the elimination of bromsulphalein from the blood"

101. BEREZNITSKAYA, A. N. (1968) Gigiena Truda i Professional'nye Zabolevaniya, Moscow, USSR, 12(9):33-37, "Some indicators of the fecundity in female mice irradiated with 10 cm waves"

102. BERG, A. I. (ed.) (1960) Goesenergoizdat, Moscow, Proc. Moscow Conf. Jan. 1959, 392 pages (see especially pages 69, 77, 92, & 123) (In Russian), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, AID Rept. P-65-17, Apr. 1965), Electronics in Medicine

103. BERGMAN, W. (1965) Transl. (from German) by Tech. Lib. Res. Serv., Ford Motor Co., Copyright by author, The Effect of Microwaves on the Central Nervous System

104. BERLIN, L. B., & ZHUPEN, V. F. (1952) (AD #400015), "Histological changes in skin following homoplasty to burns of irradiated rabbits.

105. BERLINER, M. L. (1951) AMA Arch. of Ophthalmology, Annual Reviews, 45(2):196-213, "Cornea and sclera"

106. BERNAL, E., & KEPLINGER, M. (1959) Industrial Med. & Surgery 28:535-538, "Effects of environmental temperature and air volume exchange on survival of rats exposed to microwave radiation of 24,000 megacycles"

107. BICKFORD, R. G., & FREMMING, B. D. (1965) Digest of 6th Internat. Conf. on Medical Electronics and Biological Engineering, (Iwai, Y., Chm.) p. 112 only, "Neuronal stimulation by pulsed magnetic fields in animals and man"

108. BIERMAN, W. (1934) Amer. J. of Medical Science 187:545-552, "The effect of hyperpyrexia induced by radiation upon the leukocyte count"

109. BIERMAN, W. (1948) Arch. of Physical Med. 29:408-415, "Present status of fever therapy"

110. BIERMAN, W., HOROWITZ, W. A., & LEVENSON, C. L. (1935) Arch. of Physical Therapy 16:520-522, "Fever therapy in pelvic conditions: Results of experimental and clinical studies"

111. BILOKRYNYTS'KYY, V. S. (1966) Fiziologichnyy Zh. 12(1):70-78, (ATD Rpt 67-3, Jan. 1967), "Changes in the tigroid substance of neurons under the effect of radio waves"

112. BILOKRYNYTS'KYY, V. S. (1968) Fiziologichnyy Zh. 14(3):376-381, (Ukr. with English summary), "Morphological changes in the sciatic nerve of dogs affected with SHF electromagnetic fields"

113. BIRENBAUM, L., GROSOF, G. M., HAMMOND, A. H., ROSENTHAL, S. W., SCHMIDT, H., & ZARET, M. M. (1965, 1966) In: Progress Rpt. No. 28, AD 476288, Apr. 1965 - Sept. 1965; Progress Rpt. No. 29, AD 483303, Oct 1965 - Mar. 1966. Summary of Current Research in the Microwave Research Institute Programs, Polytech. Inst., Brooklyn, N. Y., "Effects of microwave radiation on the eye"

114. BIRENBAUM, L., GROSOF, G. M., ROSENTHAL, S. W., & ZARET, M. (1969) IEEE Trans. on Biomedical Engineering BME-16(1): 7-14, "Effect of microwaves on the eye"

115. BIRENBAUM, L., KAPLAN, I., ROSENTHAL, S. W., SCHMIDT, H., & ZARET, M. M. (1967) In: Progress Rpt No. 32, AD 662885 (N68-16938), Mar. 1966 - Sept. 1967. A Summary of Current Research in the Microwave Research Institute Programs, Polytech. Inst., Brooklyn, N. Y., pp. 50-51, "Effects of microwave radiation on the eye" [of the rabbit]

116. BIRENBAUM, L., ROSENTHAL, S., KAPLAN, I., METLAY, W., SCHMIDT, H., & ZARET, M. (1968) Paper presented at meeting of . . ? p. 68-, "Effect of microwaves on the rabbit eye"

117. BIRNBAUM, G., & FRANEAU, J. (1949) J. of Applied Physics 20:817-, "Measurement of the Dielectric constant and loss of solids and liquids by a cavity perturbation method"

118. BLACKSMITH, P., & HACK, R. B. (1965) Air Force Cambridge Res. Labs., Hanscom Field, Mass., AD 625163, "On measuring the radar cross sections of ducks and chickens"

119. BLAGOVIDOVA, L. A., BELEKHOVA, M. G., & ZAGORULKO, T. M. (1962) Biulleten Eksperimental'noi Biologii i Meditsiny, Moscow, 55:8-13, (AD 294524, FTD-TT-62-1482/1+2) "Changes in electrical activity of the diencephalic area and cortex of the rabbit's cerebral hemispheres under the effect of bitemporal diathermy"

120. BLUMEN, L., YERUSHALMI, S., FREI, E. H., BARR, I. M., & NEUFELD, H. N. (1968) J. of Cardiovascular Surgery (Torino) 9:49-53, "Environmental hazards associated with a radio frequency pacemaker"

121. BLINKOVA, T. P., BOGDANOV, O. V., & YAKOVLEVA, M. I. (1967) Zh. Evolyutsionnoy Biokhimii i Fiziol. 3(2):178-181, "Effect of superhigh frequency electromagnetic field on the pulse rate of chick embryos"

122. BLOIS, S. (1956) Institute of Radio Engineers Trans. on Medical Electronics PGME-4:35-37 (from Symposium on Physiologic and Pathologic Effects of Microwaves, Krusen, F. H., Chm., Sept. 1955), "Paramagnetic resonance methods in biological research"

123. BLUDOVA, P. A., KURILOVA, L. N., & TIKHONOVA, M. A. (1953) Zh. Nevropat. i Psikhiat. im. Korsakov 53(10):790-, "The effect of shortwave diathermy on the function of the visual analyzer"

124. BODEN, C., & POMPE, H. J. (1962) Elektronische Rundschau 16(11):517-518, (In German) "The effect of HF-radiation on living organisms"

125. BODROVA, N. V., & KRAYUKHIN, B. V. (1965) In: Bionics, Nauka, Moscow, pp. 264-, "The lateral line of fish as an apparatus for the perception of an electric field"

126. BOITEAU, H. (1960) Revue des Corpes de Sante des Armees 1:637-652, (In French) "Biological effects of radar waves"

127. BOITEAU, H. (1963) Le Medecin de Reserve 1:1-9, (In French) "Biological action of radar waves"

128. BOLSHUKLIN, I. D. (1959) In: Summaries of reports, Labor Hygiene and Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "Results of shielding of certain kinds of MF-LF generators"

129. BORDIER, H. (1935) Arch. of Physical Therapy 16:263-267, "Radiotherapy combined with diathermy and galvanization in infantile paralysis: Bordier method"

130. BOURGEOIS, A. E., JR. (1967) Ph.D. Thesis (in Experimental Psychology), Baylor Univ., 117 pages, "The effect of microwave exposure upon the auditory threshold of humans"

131. BOVILL, C. B. (1960) British Communications and Electronics 7:363-365, "Are radar radiations dangerous? A survey of possible hazards"

132. BOWMAN, R. R. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.) Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 204-209, "Quantifying hazardous microwave fields: practical considerations"

133. BOYD, G. A. (1947) Biophysics Seminar, School of Med. & Dentistry, Univ. of Rochester, (unpublished report), (Dec.), "Athermal biological effects of microwaves"

134. BOYENKO, I. D. (1963) In: Interoceptors and the Neural Control of System Functions Under Normal and Pathological Conditions, Tezisy dokladov. Ivano-Frankovsk, "Some general features of the effect of energy of electromagnetic oscillations of varied frequency and intensity on the quality of interoceptive reflexes"

135. BOYENKO, I. D. (1964) In: Some Problems of Physiological Biophysics, Voronezh, Izd-vo Voronezh. Univ., pp. 7-21, "Electromagnetic field as a stimulus"

136. BOYENKO, I. D., & SHAKHGELDYAN, F. G. (1968) Fiziologicheskiy Zh., Sechenova, USSR 54(8):937-941, "The role of reflexogenic-vascular zones in blood coagulation changes during the action of electromagnetic oscillations on the organism"

137. BOYLE, A., COOK, H. F., & BUCHANAN, T. J. (1950) British J. of Physical Med. 13:1-9, "Effects of microwaves, preliminary investigations"

138. BOYLE, A., COOK, H. F., & WOOLF, D. L. (1952) Annals of Physical Med. 1:3-16, "Further investigation into the effects of microwaves"

139. BOYSEN, J. (1953) AMA Arch. of Industrial Hygiene & Occupational Med. 7(6):516-525, "Hyperthermic and pathologic effects of electromagnetic radiation (350 mc)"

140. BOYSEN, J. E. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.) pp. 309-317, "A review of unanswered biological hazard operational problems"

141. BOYSEN, J. E. (1962) J. of Occupational Med. 4(4):192-194, "U. S. Air Force experience with microwave exposure"

142. BOZIK, L., & GRUBEROVA, J. (1967) Pracovni Lekarstvi, Prague, 19(6):249-251, "The influence of electromagnetic waves upon the nervous system"

143. BRADLEY, F. J. (1969) Conf. on Federal-State Implementation of P.L. 90-602, (Mar. 1969), Montgomery, Ala., (Miller, J. W., & Gerusky, T. M., Co-chm.) U.S. Dept. of HEW, P.H.S., B.R.H. Rpt. #ORO 69-4, "Review of current standards for electronic products"

144. BRANDT, A. A. (1963) Gosudarstvennoe Izdatel'stvo Fiziko-Matematicheskov Literatury, Moscow, Research on Dielectrics at Superhigh Frequencies

145. BRATKOVSKIY, R. YE. (1937) In: The Biological Action of VHF-HF-Ultrashort Waves, (Kupalov, P. S., & Frenkel, G. L., eds.) All Union Institute of Experimental Medicine, Moscow, pp. 227-251, "The influence of an ultrahigh frequency electric field on oxidation processes and nitrogen metabolism"

146. BREITWIESER, E. F. (1935) Arch. of Physical Therapy 16:594-598, "Analysis of selective effects of shortwave therapy"

147. BREITWIESER, C. J., & HIRSEN, J. S. (1935) Arch. of Physical Therapy 16:228-234, "Comparative analysis of heat production: Physical analysis of high frequency, radio frequency, and conductive heat"

148. BRENGS, R., JR., & BRIGNOLI, F., (1969) U. S. Navy, (July), (unpublished report), "Preliminary notes on the Navy's RF hazards (RADHAZ) program"

149. BRODY, S. I. (1953) Aviation Med. 24:328-333, "The operational hazard of microwave radiation"

150. BRODY, S. I. (1956) Institute of Radio Engineers Trans. on Medical Electronics PGME-4:8-9 (from Symposium on Physiologic and Pathologic Effects of Microwaves, Krusen, F. H., Chm., Sept. 1955), "Military aspects of the biological effects of microwave radiation"

151. BROWN, F. A., JR. (1971) In: Conf. on "Orientation: Sensory Basis" (Adler, H. E.,(ed.)& Conf. Chairman), Ann. N. Y. Acad. of Sciences 188:224-241, "Some orientational influences of non-visual, terrestrial electromagnetic fields"

152. BROWN, C. H., HOYLER, C. N., & BIERWIRTH, R. A. (1947) D. Van Nostrand Co., Inc., New York, 384 pages, Theory and Application of Radio Frequency Heating

153. BROWN, G. H., & MORRISON, W. C. (1954) Food Technology 8:361-366 (Also IRE Trans. on Medical Electronics PGME-4:16 only, (1955), (Abstr. from Symposium on Physiologic and Pathologic Effects of Microwaves, Krusen, F. H., Chm., Sept. 1955), "An exploration of the effects of strong RF fields on micro-organisms in aqueous solutions"

154. BROWN, W. S., JR. (1952) Lockheed Aircraft Corp., Burbank, Calif., (Rpt SDR-1072, AD 39901), "Physiological hazard of non-ionizing radiation"

155. BRUNNER, G. D., LEHMANN, J. F., McMILLAN, J. A., JOHNSTON, V. C., & GUY, A. W. (1963) Annals of Physical Med. 7(4):121-132 & p. 139, "Temperature distributions as produced by microwaves in specimens under therapeutic conditions"

156. BRYAN, R. N. (1966) Science 163(3738):897-899, "Retrograde amnesia: effects of handling and microwave radiation"

157. BUBAK, K. (1959) Biological Abstracts 36, pt. 67081, 2(1/3):358-363, "Biological effects of electromagnetic radiation within the scope of cm waves"

158. BUCHANAN, A. R., HEIM, H. C., & KRAUSHAAR, J. J. (1961) Air Force Systems Command (AD 265279), 166 pages, (see especially p. 95), "Biomedical effects of exposure to electromagnetic radiation. Part II. Biomedical effects on the eye from exposure to microwaves and ionizing radiations"

159. BUDKO, L. N. (1964) In: Some Questions of Physiology and Biophysics, Trudy Otdeleniya, Voronezh, Izd-vo Voronezh Univ., pp. 31-, "Dynamics of carbohydrate metabolism in isolated liver of white rats on exposure to electromagnetic fields of different frequencies"; and pp. 73-, "Change in blood carbohydrate content due to the action of electromagnetic radiation of audio- and radio-frequency ranges on organisms"

160. BUDKO, L. N., & KOSTYUK, A. YU. (1964) In: Some Problems of Physiology and Biophysics, Trudy Otdeleniya, Voronezh, Izd-vo Voronezh, Univ., pp. 21-25, "The effect of certain portions of the electromagnetic spectrum on the sorption of alkaline stain by the organs of white rats"

161. BUKSA, L. G. (1950) Tr.Permskogo Gosudarstvennogo Med. Inst. __(24-25):pp.? "The effects of magnetic fields, electric fields, HF-VHF fields, and ultraviolet radiation on the reproduction of y eat"

162. BURGESS, J. S. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.), 1:32-34, "High power microwave facilities"

163. BURHAN, A. S. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:124-135, "Some recent developments in pulsed energy sleep"

164. BURNER, A. M. (Chairman) (1968) Symposium on Microwave Power, Internat. Microwave Power Institute, Boston, Mass., (Transcript & Supplementary Material) San Francisco Press, Inc., Biological Effects of Microwaves: Future Research Directions

165. BURNER, A. M. (Moderator), TELLES, N., MICHAELSON, S. J., FREY, A., ALPEN, E., CARPENTER, R. L., SUSSKIND, C., & HELLER, J. H. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 248-262, "Panel discussion II: Future needs in research on the biological effects of microwave and RF radiation"

166. BURR, H., & MAURO, A. (1949) Yale J. of Biology and Med. 21:455-, "Electrostatic fields and the sciatic nerve in the frog"

167. BUSCO, R., & COMIGNANI, L. (1967) Rivista di Medicina Aeronautica e Spaziale (Rome) 30:469-528, "Current knowledge regarding the effects of radar waves on living organisms and the protective equipment involved. Part I. General principles of the physiological effects"; pp. 718-757, "Part II"

168. BUTKINA, T. K. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "Sanitary hygienic working conditions and the health of individuals exposed simultaneously to x-rays and centimeter waves"

169. BUTKINA, T. K., VOROMTSOVA, A. S., GIRSKAYA, E. N., DUBROVSKAYA, L. R., & KLYACHINA, I. E. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves; pages?; title ?

170. BYALKO, N. K., & SADCHIKOVA, M. A. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya, USSR, _(2):137-139, "Some biochemical blood indices under the action of centimeter waves"

171. BYCHKOV, M. S. (1957) Trudy Voyen. Meditsink Akad. i Kirov, USSR, 73:58-77, "Changes of electric activity of the cortex of the large hemispheres in animals exposed to SHF-UHF electromagnetic fields"

172. BYCHKOV, M. S. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, pp. 49 only, "Electrophysiological characteristic of the biological effect of microwave electromagnetic fields of various parameters"

173. BYCHKOV, M. S. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad; pp. 6-8 & 8-9, "On the mechanism of action of a SHF-UHF electromagnetic field"

174. BYCHKOV, M. S. (1967) In: Abstracts of reports of the All Union Conference on Neurocybernetics, Rostov-on-Don, pp. 17-18, "Neurophysiological characteristics of the specific effects of radiowaves in the SHF-UHF range"

175. BYCHKOV, M. S., & MOREVA, Z. E. (1960) Trans. Leningrad Obshchest. Isp'tatel. Prirod. 71:178-, "The effect of radiowaves in the SHF range on a frog nerve-muscle preparation"

176. BYCHKOV, M. S., & SYMGAYEVSKAYA, V. A. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad. pp. 9-11, "Data on the non-thermal effect of SHF-UHF fields on the cholinergic systems of an organism"

177. BYNUM, J. A. (1966) Ph.D. Dissertation, Baylor Univ., 103 pages, "The effects of UHF fields on retention in a verbal learning task"

178. CAFFARATTO, T. M. (1946) La Ginecologia 12(9):237-249, "Leukocytis vagistrices following shortwave therapy"

179. CALDERON, A. P. (1953) Ohio State Univ. Research Foundation, Rpt 478-18, (AD 19536), "The computation of radiation and scattered electromagnetic fields"

180. CAPPELLI, L. (Editor) (1935) Book (in 2 volumes) Bologna (Papers in English, French, German, or Italian), 1330 pages, Proc. of First International Congress of Electro-Radio-Biology, Sept. 1934, Venice

181. CARD, R. H. (1957) Trans. of the National Safety Congress 8:8-12, "The hazard of radio transmitters and their correction"

182. CARLETON, R. A., SESSIONS, R. W., & GRAETTINGER, J. S. (1964) J. of the Amer. Medical Assoc. 190(10):938-940, "Environmental influence on implantable cardiac pacemakers"

183. CARLEY, W. S., & STURGILL, L. G. (1961) Unpublished (Report to Bureau of Ships, USN, from Jansky & Bailey, Division of Atlantic Research, Washington, D. C.), "Calculations of hazardous zones of electromagnetic radiation"

184. CARNEY, S. A., LAWRENCE, J. C., & RICKETTS, C. R. (1968) British J. of Industrial Med. (Part I) 25:223-228; (Part II) 229-234; (Part III) ibid. 27:72-76 (1970), "Effect of microwaves at X-band on guinea pig skin in tissue culture. Part I. Microwave apparatus for exposing tissue and the effect of the radiation on skin respiration. Part II. Effect of the radiation on skin biochemistry. Part III. Effect of pulsed microwaves on skin respiration and biochemistry"

185. CARPENTER, C. M., & BOAK, R. A. (1930) Amer. J. of Syphilis 14:349-365, "The effect of heat produced by an ultrahigh frequency oscillator on experimental syphilis in rabbits"

186. CARPENTER, C. M., & PAGE, A. B. (1930) Science 71(1844):450-452, "Production of fever in man by short radio waves"

187. CARPENTER, R. L. (1957) Tufts Univ., Medford, Mass., Informal Progress Report to U. S. Air Force on the "Cumulative effects of 12.3 cm radiation on the eyes of rabbits"

188. CARPENTER, R. L. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Bunghart, F. W., eds.) 2:146-168, "Review of the work conducted at Tufts Univ. (USAF sponsored); experimental radiation cataracts induced by microwave radiation"

189. CARPENTER, R. L. (1959) Digest of Tech. Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), Pub. Lewis Winner, New York, p. 52 only, "Opacities in the lens of the eye experimentally induced by exposure to microwave radiation"

190. CARPENTER, R. L. (1959) Proc. 3rd Tri-service Conf. on the Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:279-290 (RADC-TR-59140, AD 234788), "Studies on the effects of 2450 megacycle radiation on the eye of the rabbit"

191. CARPENTER, R. L. (1962) Rept. RADC-TDR-62-131 (AD 275840), (Also in Senate Hearings, pp. 991-1049), "An experimental study of the biological effects of microwave radiation in relation to the eye"

192. CARPENTER, R. L. (1965) Digest of 6th Internat. Conf. on Medical Electronics and Biological Engineering, pp. 573-574, "Suppression of differentiation in living tissues exposed to microwave radiation"

193. CARPENTER, R. L. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.) Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 76-81, "Experimental microwave cataract: a review"

194. CARPENTER, R. L. (Chm.) (1971) "Microwave" Session of the Internat. Conf. on Non-Ionizing Radiation Safety, 29-31 Mar., Cincinnati, Ohio, sponsored by Medical Center of U. of Cincinnati

195. CARPENTER, R. L., BIDDLE, D. K., & VAN UMMERSEN, C. A. (1959) In Investigators' Conf. on Biological Effects of Electronic Radiating Equipments (Knauf, G. M., Chm.) RADC-TR-59-67, pp. 12-15, (AD 214693), "Report on work in progress at Tufts University"

196. CARPENTER, R. L., BIDDLE, D. K., & VAN UMMERSEN, C. A. (1960) Institute of Radio Engineers Trans. on Medical Electronics, ME-7(3):152-157, "Opacities in the lens of the eye experimentally induced by exposure to microwave radiation"

197. CARPENTER, R. L., BIDDLE, D. K., & VAN UMMERSEN, C. A. (1960) From Proc. of 3rd Internat. Conf. on Medical Electronics, Part 3, London, pp. 401-408, (Also in Senate Hearings, pp. 982-990), "Biological effects of microwave radiation with particular reference to the eye"

198. CARPENTER, R. L., BIDDLE, D. K., & VAN UMMERSEN, C. A. (1961) Digest of Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.) Plenum Press, New York, pp. 196-, "Comparison of absorption by normal and phantom eyes exposed to cataractogenic doses of microwave radiation at 2450 mc and 10,050 mc"

199. CARPENTER, R. L., et al. (1961) Digest of Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.), Plenum Press, New York, New York, 26:5-, "The effect on the rabbit eye of microwave radiation at x-band regions"

200. CARPENTER, R. L., BIDDLE, D. K., VAN UMMERSEN, C., MANGANAS, C. P., & FREEMAN, H. M. (1959) Amer. J. of Ophthalmology 47:94 only, (Abstract of paper presented at meeting of Eastern Section of Assoc. for Research in Ophthalmology, Inc., Nov. 1958, at New York Univ.), "Experimental radiation cataracts induced by microwave radiation"

201. CARPENTER, R. L., & CLARK, V. A. (1966) In: Environmental Biology, Altman, P. L., & Dittmer, D. C. (eds.), Federation of Amer. Soc. for Experimental Biology, Bethesda, Md., (AD 646890), pp. 131-139, "Responses to radio frequency radiation"

202. CARPENTER, R. L., & LIVSTONE, E. M. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):173-178, "Evidence for nonthermal effects of microwave radiation: abnormal development of irradiated insect pupae"

203. CARPENTER, R. L., & VAN UMMERSEN, C. A. (1968) J. of Microwave Power 3(1):3-19, (AD 668619), "The action of microwave radiation on the eye"

204. CARPENTER, R. L., & VAN UMMERSEN, C. A. (1968) Proc. of Hearings before Committee of Congress, U. S. Senate, 90th Congress, on Radiation Control for Health and Safety Act of 1967, Part 2, Serial No. 90-49, pp. 955-971, "The action of microwave radiation on the eye"

205. CARSTENSEN, E. L. (1962) Army Report, Ft. Detrick Tech. Rept. MS-23, (AD 293693), 9 pages, "Internal conductivity of Escherichia coli"

206. CASSIANO, O., & AUDISIO, B. (1966) Minerva Anestesiologica (Torino), 32:261-264, (In Italian) "Some neurovegetative responses to the action of electromagnetic fields in man"

207. CASSIANO, O., CARTA, Q., & TRONCONE, S. (1967) Minerva Anestesiologica (Torino), 33:326-329, (In Italian) "Action of electromagnetic fields on the glycaemic level of normal and diabetic subjects"

208. CASTALDI, L. (1934) Abstracts of the 1st Internat. Congress of Electro-radio-biology (Cappelli, L., ed., Bologna, Italy), pp. 277-335, (In Italian with English summary), "Biological effect of high-frequency waves"

209. CAVALLARO, L. (1934) Abstracts of the 1st Internat. Congress of Electro-radio-biology (Cappelli, L., ed., Bologna, Italy), pp. 341-350, (In Italian with English summary) "Dispersion of radio frequency waves in protein systems"

210. CAZZAMALLI, F. (1925) Neurologica 6:193-, (AD #273787), "The effects of radar on the human body"

211. CAZZAMALLI, F. (1960) In: Il Cervelle Radiante, (In Italian), (U. S. Army Engr. Res. & Dev. Lab. Transl. T-1695), (AD 422217, 42 page translated report), pp. 125-152, "On a cerebro-psychic radiation phenomenon (cerebro-psychic radiation reflex) as a means of psychophysical exploration"

212. CAZZAMALLI, F. (1960) In: Il Cervelle Radiante, (In Italian), (U. S. Army Engr. Res. & Dev. Lab. Transl. T-1696), (AD 422218, 40 page translated report), pp. 153-194, "Electromagnetic phenomena which radiates from the human brain during intense psychosensorial activity from dreamy, hallucinatory and telepsychic states"

213. CHALOV, V. G. (1968) Voenno-Meditsinskii Zh. _(5):24-26, "The effect of a SHF-UHF field on the functional condition of the otorhinolaryngological organs"

214. CHIRKOV, M. M. (1964) In: Some Questions of Physiology and Biophysics, Trudy Otdeleniya, Voronezh, Izd-vo Voronezh, Univ., pp. 25-31, (In Russian), "The effect of the energy of electromagnetic radiation of the acoustic spectrum on catalase activity in blood"

215. CHIZHENKOVA, R. A. (1966) Biulleten Eksperimental'noi Biologii i Meditsiny, Moscow 61(6):11-15, "Changes in the EEG of rabbits during the action of a constant magnetic field"

216. CHIZHENKOVA, R. A. (1967) Zh. Vysshei Nervnoi Deiatel'nosti imeni I. P. Pavlova, Moscow 17(2):313-321, (In Russian, English abstract), (ATD Rpt 68-105-108-9, Abstract, (June 1968), p. 69 only, Soviet Radiobiology, AD 671436), "The role of various brain formations in EEG responses of rabbits to a constant magnetic field and to VHF-HF and SHF-UHF electromagnetic fields"

217. CHIZHENKOVA, R. A. (1967) Fiziologicheskii Zh. SSSR, Moscow 53(5):514-519, (In Russian) (ATD Rpt 68-105-108-9, Abstract (June 1968), pp. 70-72, Soviet Radiobiology), "Brain biopotentials in the rabbit during exposure to electromagnetic fields"

218. CHIZHENKOVA, R. A. (1967) Zh. Vysshei Nervnoi Deiatel'nosti, Moscow 17(6):1083-1090 (In Russian, English abstract), "Electrical reaction of a rabbit's cerebral cortex to various electromagnetic fields"

219. CHIZHENKOVA, R. A. (1969) Zh. Vysshei Nervnoi Deiatel'nosti Pavlov USSR 19(3):495-501, (In Russian, English summary), "Background and evoked neuron activity in the visual cortex of rabbits following exposure to the action of a SHF-UHF field"

220. CHRISTIANSON, C. (1963) Presentation: Naval Material Lab. Program Summary, "Radiation hazards body protection devices"

221. CHRISTIANSON, C., & RUTKOWSKI, A. (1966) Naval Applied Sci. Lab. Tech. Memo No. 3 (Jan 1967), Brooklyn; (AD 645496); (Also presented at 4th Annual Navy-wide Workshop in the Biological Sciences, Nav. Med. Res. Unit #4, Great Lakes, Ill., Oct. 1966), "Electromagnetic radiation hazards in the Navy"

222. CHRISTIE, R. V., & LOOMIS, A. L. (1929) J. Experimental Med. 49:303-321, "The relation of frequency to the physiological effects of ultra-high frequency currents"

223. CHUKHLOVIN, B. A. (1965) Voenno-Meditsinskii Zh., Moscow (Military Medical Journal), _(7):25-29, "The effect of SHF-UHF electromagnetic radiation on the immunobiological properties of the organism"

224. CHUKHLOVIN, B., A., GRACHEV, B. N., & LIKINA, I. V. (1966) Biulleten Eksperimental'noi Biologii i Meditsiny, Moscow 61(6):53-55, "The detection of C- and C_x- reactive protein in the blood serum during exposure of the organism to SHF-UHF electromagnetic waves"

225. CIECIURA, L., KARASEK, M., PAWLIKOWSKI, M., & MINECKI, L. (1969) Folia Morphologica (Warszawa) 28(3):343-351, (In Polish with English summary) "The influence of microwaves radiation on the ultrastructure of the pineal gland of white rats"

226. CIECIURA, L., & MINECKI, L. (1962) Lekarz Wojskowy, Poland 38(6):519-530, (In Polish, French summary), "Pathological changes in the testes of rats subjected to single or repeated doses of microwaves (S band)"

227. CIECIURA, L., & MINECKI, I. L. (1966) Medycyna Pracy 17:507-514, "Histopathological changes in the testes of rats exposed to the action of microwave radiation in hyperthermal condition"

228. CIGNOLINI, P. (1947) Minerva Medicine 38:284-285, (In Italian) "Dosimetry in shortwave therapy"

229. CIGNOLINI, P., & OLIVIERI, _.(1936) Rev. de Physiotherap. _(3):212-, "The action of high frequency electromagnetic waves on the circulatory system"

230. CIMITAN, O. (1951) Giornaledi Science Mediche (Venezia) 6:138-140, "Effect of shortwave irradiation on bacteria"

231. CLARK, J. W. (1950) Proc. of the Institute of Radio Engineers 38(9):1028-1032, "Effects of intense microwave radiation on living organisms"

232. CLARK, J. W., HINES, H. M., & SALISBURY, W. W. (1949) Electronics 22:66-, "Exposure to microwaves: recent experiments on animals with high intensity 12 cm radiation"

233. CLARK, L. A. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Surskind, C., ed.) 3:239-243, "Eye study survey"

234. CLARK, W. B. (1952) Trans. of the Amer. Acad. of Ophthalmology 56:600-607, "Microwave diathermy in ophthalmology: clinical evaluation"

235. CLEARY, S. F. (Ed.) (1970) Symposium held at Medical College of Virginia, Richmond, 17-19 Sept. 1969, U. S. Dept. of Health, Education, and Welfare, Public Health Service, Bureau of Radiological Health, Division of Biological Effects, Rept. No. 70-2, (PB 193-898), Proceedings, Biological Effects and Health Implications of Microwave Radiation; Also: "Chairman's Remarks" and "Introductory Comments"

236. CLEARY, S. F. (1970) Amer. Industrial Hygiene Assoc. J. 31:52-59, "Considerations in the evaluation of the biological effects of exposure to microwave radiation"

237. CLEARY, S. F., & HAM, W. T., JR. (1969) Task Force on Research Planning in Environmental Health Science, Subtask Force on Physical Factors in the Environment (background document), (unpublished), Part I. "Considerations in the evaluation of the biological effects of exposure to microwave radiation"

238. CLEARY, S. F., & PASTERNACK, B. S. (1966) Arch. of Environmental Health 12:23-29, "Lenticular changes in microwave workers"
(A65-82038)

239. CLEARY, S. F., PASTERNACK, B. S., & BEEBE, G. W. (1965) Arch. of Environmental Health 11:179-182, "Cataract incidence in radar workers"

240. CLEARY, S. F., PASTERNACK, B., & EISENBUD, M., Institute of Environmental Medicine, N. Y. Univ. Med. Center, Report, "Relationship of environmental factors to lenticular changes in microwave workers"

241. CLOSE, P. & BEISCHER, D. E. (1962) Naval School of Aviation Medicine, BUMED and NASA Report, "Experiments with Drosophila melanogaster in magnetic fields"

242. COGAN, D. G. (1950) J. Amer. Medical Assoc. 142(3):145-151, "Lesions of the eye from radiation energy"

243. COGAN, D. G. (1959) AMA Arch. of Industrial Health 20:293-, "Ocular effects of radiation"

244. COGAN, D. G., FRICKER, S. J., LUBIN, M., DONALDSON, D. D., & HARDY, H. (1958) AMA Arch. of Industrial Health 18(4):299-302, "Cataracts and ultra-high-frequency radiation"

245. COLSON, C., et al. (1970) Bulletin de la Classe des Sciences, Academie Royale de Belgique 56(9):960-, & 983-, "Action of electromagnetic radiations on proteins, Parts I & II"

246. CONSTANT, P. C., JR. (1963) Institute of Electrical and Electronics Engineers Student J. 1(1):36-, "Biological aspects of RF radiation"

247. CONSTANT, P. C., JR. (1967) Digest of the 7th Internat. Conf. on Medical and Biological Engineering, (Jacobson, B., ed.), Stockholm, 7:349 only, "Hearing EM waves"

248. CONSTANT, P. C., JR., ASHLEY, W. H., BALDWIN, B. R., MARTIN, E. J. JR., & RICE, R. F. (1960) Midwest Research Institute, Kansas City, Mo., Report to Navy (June 1960), "Survey of radio frequency radiation hazards"

249. CONSTANT, P. C., JR., & MARTIN, E. J. (1963) IEEE Trans. on Radio Frequency Interference 5(1):56-76 (also Report to Navy from Midwest Research Institute, Kansas City, Mo.), "The Navy's radiation hazards (RADHAZ) program on the formulation of standards"

250. COOK, H. F. (1951) British J. of Applied Physics 2:295-300, "The dielectric behavior of some types of human tissues at microwave frequencies"

251. COOK, H. F. (1952) J. of Physiology 118:1-11, "The pain threshold for microwave and infrared radiation"

252. COOK, H. F. (1952) British J. of Applied Physics 3:33-40, "Microwaves in medical and biological research"

253. COOK, H. F. (1952) British J. of Applied Physics 3:245-248, "A physical investigation of heat production in human tissue when exposed to microwaves"

254. COOK, H. F. (1952) British J. of Applied Physics 3:249-255, "A comparison of dielectric behavior of pure water and human blood at microwave frequencies"

255. COOK, H. F., & BOYLE, A. (1952) British J. of Applied Physics 3:1-6, "Clinical picture of the chronic effect of electromagnetic microwave radiation"

256. COOPER, R. (1946) J. of the Institute of Electronic Engineers 93(3):69-, "The electrical properties of salt-water solutions over the frequency range 1-4000 Mc"

257. COOPER, T., JELLINEK, M., PINAKATT, T., & RICHARDSON, A. W. (1965) Experientia 21:28-29, "The effect of pyridoxine and pyridoxal on the circulatory responses of rats to microwave irradiation"

258. COOPER, T., PINAKATT, T., JELLINEK, M. & RICHARDSON, A. W. (196-) Aerospace Med. 33(7):794-798, "Effects of adrenalectomy, vagotomy, and ganglionic blockade on the circulatory system response to microwave hyperthermia"

259. COPSON, D. A. (1967) Digest of the 7th Internat. Conf. on Medical and Biological Engineering, (Jacobson, B., ed.), Stockholm, p. 404 only, "Athermic and thermic absorption processes with microwaves from 1 mm to 30 cm"

260. COPSON, D. A. (1956) Institute of Radio Engineers Trans. on Medical Electronics, PGME-4:27-35 (from Symposium on Physiologic and Pathologic Effects of Microwaves, Krusen, F. H., Chm., Sept. 1955), "Microwave energy in food procedures"

261. COPSON, D. A. (1961) Digest of the 1961 Internat. Conf. on Medical Electronics, Biological Effects of Microwaves, I (Athermal Aspects), (Frommer, P. L., ed.), Plenum Press, New York, pp. 228-, "Theory of thermal dissipation of microwave energy, and microwave engineering"

262. COPSON, D. A. (1962) Microwave Heating, Avi Pub. Co., Inc., Westport, Conn., Esp. Chapt. 19, "The radiation biology of microwaves"

263. COPSON, D. A., NEUMAN, B. R., & BRADY, A. L. (1955) J. of Agricultural/Food Chemistry 3(5):424-427, "Browning methods in microwave cooking"

264. COSIC, V., KRAMER, M., & GALA, A. (1963) Vojnosanit Pregl 20(3):119-126, "Effects of radar installations on the human body"

265. COULTER, J. S., & CARTER, N. A. (1936) J. of the Amer. Medical Assoc. 106:2063-2066, "Heating of human tissues by short wave diathermy"

266. COULTER, J. S., & OSBORNE, S. L. (1936) Arch. of Physical Therapy 17:135-139, "Shortwave diathermy: a comparative study in pelvic heating"

267. CRAPUCHETTES, P. W. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 210-216, "Microwave leakage instrumentation"

268. CUSTIN, T. G. (1961) Proc. of the Institute of Radio Engineers 49:1574 only, "Microwave radiation hazards"

269. CUTTER, R. S. (1958) (compiler) National Library of Medicine, Washington, D. C., (unpublished report), "Biological effects of non-ionizing radiation on humans and higher animals; selected references in English 1916-1957"

270. DADIRRIAN, A. N. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:271-278, "A microwave medical safety program in an industrial electronics facility"

271. DAHLEN, R. W. (1960) Dissertation Abstracts 21(6):1612-, "Effects of irradiation of the head region of dogs with 2450 Mc microwaves"

272. DAILY, L. E., (1943) U. S. Navy Medical Bulletin 41:1052-1056, "A clinical study of the results of exposure of laboratory personnel to radar and high frequency radio"

273. DAILY, L., JR., WAKIM, K. G., HERRICK, J. F., PARKHILL, E. M., & BENEDICT, W. L. (1950) Amer. J. of Ophthalmology 33: 1241-1254, "The effects of microwave diathermy on the eye: an experimental study"

274. DAILY, L., JR., WAKIM, K. G., HERRICK, J. F., PARKHILL, E., & BENEDICT, W. L. (1952) Amer. J. of Ophthalmology 35: 1001-1017, "The effects of microwave diathermy on the eye of the rabbit"

275. DAILY, L., JR., ZELLER, E. A., WAKIM, K. G., HERRICK, J. F., & BENEDICT, W. L. (1951) Amer. J. of Ophthalmology 34: 1301-1306, "Influence of microwaves on certain enzyme systems in the lens of the eye"

276. DAILY, L., JR., WAKIM, K. G., HERRICK, J. F., & PARKHILL, F. M. (1948) Amer. J. of Physiology 155:432 only, (Also Institute of Radio Engineers Trans. on Medical Electronics, PGME-4:25-26 (1956); (from Symposium on Physiologic and Pathologic Effects of Microwaves, Krusen, F. H., Chm., Sept. 1955), "The effects of microwave diathermy on the eye"

277. DANIELS, R. G., & GOLDSTEIN, B. (1965) Federation Proceedings Supplement 24, S-27-, "Lasers and masers - health hazards and their control"

278. D'ARSONVAL, A. (1932) Arch. of Physical Therapy 13:715-717, "Therapeutic applications of high frequency currents"

279. D'ARSONVAL, A. (1934) Abstracts of the 1st Internat. Congress of Electro-Radio-Biology, (Cappelli, L., ed.), Bologna, Italy, pp. 111-114, "Biological effects of high frequency fields"

280. D'ARSONVAL, A., & CHARBIN, A. (1896) Comptes Rendus Societe de Biologie 48:121-123, (In French) "The action of electricity on bacterial toxins"

281. DAVIS, H. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:19-32, "Discussion of long range research and development plans in the Air Force"

282. DAVIS, R. T., ELAM, C. B., & McDOWELL, A. (19) Report, School of Aviation Med., Randolph Air Force Base, (AD 204696), "Latent effects of chronic whole body irradiation of monkeys with mixed source radiation"

283. DAVIS, T. P. (1959) Digest of Tech. Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), pp. 90-91, "The temperature response of skin exposed to penetrating and non-penetrating radiation"

284. DAVIS, T. R. A., & MAYER, J. (1954) Amer. J. of Physiology 178:283-287, "Uses of high frequency electromagnetic waves in the study of thermogenesis"

285. DAY, G. C. (1955) British J. of Physical Med. 18:14-16, "The subjective effects of general irradiation"

286. DAYTON, W. P. (1961) Ground Electronics Engineering Installation Agency, Griffiss Air Force Base, Rpt. GEEIA TR-61-1, (AD 253671), "Microwave radiation effects program"

287. DEBRONS, A. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:105-111, "Human engineering applications as related to personnel protection"

288. DeCHOLNOKY, T. (1935) Arch. of Physical Therapy 16:587-594, "Shortwave therapy in pyogenic skin infection"

289. DEICHMANN, W. B. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:72-74, "Results of (pathological) studies of microwave radiation"

290. DEICHMANN, W. B. (1961) Biochemical Pharmacology 8(1):/ pp.? "Introducing the irradiation cycle rate in microwave radiation exposures"

291. DEICHMANN, W. B. (1966) Arch. of Toxicology 22:24-35, "Biological effects of microwave radiation of 24,000 megacycles"

292. DEICHMANN, W. B., & BERNAL, E. (1963) Univ. of Miami, (AD 400345), "Chronic exposure of dogs to microwave radiation of 24,000 megacycles and a power density of 20 mw/sq cm"

293. DEICHMANN, W. B., BERNAL, E., STEPHENS, F., & LANDEEN, K. (1963) J. of Occupational Medicine 5(9):418-425, "Effects on dogs of chronic exposure to microwave radiation"

294. DEICHMANN, W. B., KEPLINGER, M., & BERNAL, E. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:77-81, (Alsc, Industrial Med. & Surgery 28(5):212-213 (1959), and RADC-TN-59-302, AD 228987), "Relation of interrupted pulsed microwaves to biological hazards"

295. DEICHMANN, W. B., KEPLINGER, M., & BERNAL, E. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 1:62-70, (Also, Industrial Med. & Surgery 28(12):535-,), (Rome Air Development Center, RADC-TN-59-303, AD 228993), "Effects of environmental temperature and air volume exchange on survival of rats exposed to microwave radiation of 2,400 megacycles"

296. DEICHMANN, W. B., MIALE, J., & LANDEEN, K. (1962) Report, Univ. of Miami, RADC-TDR-62-192, (AD 278022), 16 pages, "Effects of microwave radiation of 10 and 20 mw/cm^2 (24,000 megacycles)"

297. DEICHMANN, W. B., MIALE, J., & LANDEEN, K. (1964) Toxic Applied Pharmacology 6(1):71-77, "Effect of microwave on the hemopoietic system of the rat"

298. DEICHMANN, W. B., & STEPHENS, F. H., JR. (1961) Digest of the 1961 Internat. Conf. of Medical Electronics, Biological Effects of Microwaves, I (Athermal Aspects), (Frommer, P. L., ed.) Plenum Press, New York, pp. 191-, (Also, Industrial Medicine and Surgery 30:264-(1961)), "Factors that influence the biological effects of microwave radiation"

299. DEICHMANN, W. B., & STEVENS, F. H., JR. (1961) Industrial Med. & Surgery 30:221 only, "Microwave radiation of 10 mw/cm^2 and factors that influence biological effects at various power densities"

300. DEICHMANN, W. B., STEPHENS, E. H., JR., KEPLINGER, M., & LAMPE, K. E. (1959) J. of Occupational Med. 1(7):369-381, "Acute effects of microwave radiation on experimental animals (24,000 megacycles)"
(PAFF, G.H., BRAUZER, B., & FINNERTY, D. E.)

301. DEICHMANN, W. B., et al./(1959) Section in: Microwave Radiation Research, Univ. of Miami Annual Report, RADC-TN-59-228, (AD 232925), pp. 11-14, "Hyperpyrexia - microwave versus infrared"; pp. 14-15, "Comparative sensitivity of head, lumbar, and abdominal region to microwave radiation"; pp. 15-18, "Comparative rises of temperature in various organs"; pp. 19-25, "The effect of single and repeated microwave exposures on the formed elements in the blood of rats"; p. 25 only, "Skin cancer study"; pp. 26-28, "Chronic microwave studies"; pp. 29-32, "Observations on the effects of radar upon the embryonic heart"

302. DEICHMANN, W. B., et al. (1960) Section in: Microwave Radiation Research, Univ. of Miami Annual Report, RADC-TR-61-42, (AD 256500), pp. 4-10, "Organ temperature studies"; pp. 11-24, "The effect of microwave radiation of 10 mw/sq. cm. in the treatment of acute leukemia of the rat"; pp. 25-46, "Chronic, intermittent, exposure of experimental animals to microwave radiation"; pp. 36-41, "Chronic exposure of Beagle dogs to microwave radiation of 20 mw/sq. cm."

303. DELGADO, J. M. R. (1969) Presented at the Hazards and Utility of Microwaves and Radiowaves Seminar, (Heller, J., Chm.), 11-12 Dec., Boston, "Effects of radio-frequency on the central nervous system"

304. DeLHERY, G. P., DERKSEN, W. L., & MONAHAN, T. I. (1959) Naval Material Lab., Brooklyn, APSWP-114, (AD 220576), "Research on the thermal conductivity and diathermancy of Albino rat skin"

305. DELHERY, G. P., DERKSEN, W. L., & MONAHAN, T. I. (1959) Digest of Technical Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), p. 92 only, "Some thermal and optical properties of rat skin"

306. De LOOR, G. P. (1968) J. of Microwave Power 3(2):67-73, "Dielectric properties of heterogeneous mixtures containing water"

307. De LOZ, A. (1951) Le Scalpel 104(21):591-598, (In French) "Influence of high frequency radiowaves on 'hypercholesterinemia'"

308. DeMINCO, A. P., (1961) Proc. 4th Tri-service Conf. on Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.) pp. 33-46, (Also, RADC-TR-60-185, Nov. 1960), "Generation and detection of pulsed x-rays from microwave sources"

309. DEMIRGHOGLYAN, G. G. (1953) Problemy Fiziologicheskoi Optiki (Akademiia nauk SSR), Moscow, _(8):203-, "Photopotential of the retina and its variation under the action of SHF-UHF fields"

310. DENIER, _. (1933) Arch. of Electron. in Medicine 41:273-276, (In French)"Biological action of high frequency ultrashort radio waves of 80 cm"

311. DESSAUER. F. (1934) Abstracts of the 1st Internat. Congress of Electro-Radio-Biology, (Cappelli, L., ed.), Bologna, Italy, pp. 336-340 (In German, English summary), "Reference concerning electrical waves and biological phenomena"

312. DIAS, J. F. (1965) J. of the Internat. College of Surgeons 43:505-, "Eye disease from natural and man-made radiation"

313. DINKLOH, H. (1966) Wehrmedizin 4(6/7):123-131, "Health damage caused by microwaves, especially radar waves"

314. DODGE, C. H. (1965) ATD Bulletin (Library of Congress) 1(2):33-38, "The influence of microwaves on the functional condition of the nerve" (Transl. of Kamenskiy (1964), citation #703, this Bibliography)

315. DODGE, C. H. (1965) Foreign Science Bulletin (Library of Congress) 1(2):7-19, "Biological and medical aspects of microwaves"
[See also citation numbers 1931 and 1932, this Bibliography]

316. DODGE, C. H. (1966) Unpublished report, Biosciences Div., U. S. Naval Observatory, Washington, D. C., "Clinical and hygienic aspects of exposure to electromagnetic fields (a review of the Soviet and Eastern European literature)" [Expanded in citation #317]

317. DODGE, C. H. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium. (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 140-149, "Clinical and hygienic aspects of exposure to electromagnetic fields"

318. DODGE, C. H., & KASSEL, S. (1966) ATD Report (Library of Congress) #66-133, "Soviet research on the neural effects of microwaves"

319. DOLATKOWSKI, A., LENKO, J., MROZ-WASILEWSKA, _. & Wochna, Z. (1964) Polish Medical J. 138(3):1156-1163, "Studies on the effect of microwaves emitted by radar devices on the testicles and epididymides of the rabbit"

320. DOLINA, L. A. (1959) In Book, Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, pp. 44-45 [Title not given]

321. DOLINA, A. (1961) Arkhiv fur pathologii 23(1):51-57, "Morphological changes in the central nervous system following the action of centimeter waves on the organism. (An experimental investigation)"

322. DONDERO, R. L. (1958) Medical News Letter 31(2):22-, (Abstracted from Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1:115-118, (1957)), "Determination of power density at microwave frequencies"

323. DOOLEY, E. S., GILLENWATER, J. Y., & FROHLICH, E. D. (1963) U. S. Army Medical Research Lab., Fort Knox, Rpt. 565, (AD 411221), 23 pages, "Altered renopressor response-pattern to endotoxin radiated with radio-frequency energy"

324. DOUGHERTY, J. D., CALDWELL, J. C., HOWE, W. M., & CLARK, W. B. (1965) Aerospace Med. 36:466-471, "Evaluation of an alleged case of radiation induced cataract at a radar site"

325. DROGICHINA, E. A. (1960) In: The Biological Action of Ultrahigh Frequencies, (Letavet, A. A., & Gordon, Z. V., eds.), Moscow, (JPRS #12471, pp. 22-24, (1962)), (Translation of O Biologicheskom Vozdeistvii Sverkhvysokikh Chastot, Moscow, Acad. of Med. Sci., USSR, 1960, pp. 29-31); (Also in Biological Effects of Microwaves, "Effect of chronic exposure to UHF on the human organism", pp. 7-8, ATD P-65-68, Sept. 1965), "The clinical aspects of chronic influence of SHF/UHF on the human organism"

326. DROGICHINA, E. A., & SADCHIKOVA, M. A., (1963) Abstracts of Conf. on Industrial Hygiene and the Biological Action of Radio Frequency Electromagnetic Fields. Institute of Industrial Hygiene and Occupational Diseases, Acad. Med. Sci., Moscow; 29 pages

327. DROGICHINA, E. A., & SADCHIKOVA, M. A. (1964) Trudy Nii Gigiena Truda i Profzabolevaniya,USSR, (2):105-109, "Clinical syndromes during the action of various radio frequency ranges"

328. DROGICHINA, E. A., & SADCHIKOVA, M. A. (1965) Gigiyena Truda i Professional'nyye Zabolevaniya (Labor Hygiene and Occupational Diseases) 9(1):17-21 (JPRS #29694, TT:65-30791), "Clinical syndromes arising under the effect of various radio frequency bands"

329. DROGICHINA, E. A., SADCHIKOVA, M. A., & GINZBURG, D. A. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, p. 22 only, "Clinical symptoms of acute phases of continuous action of centimeter waves"

330. DROGICHINA, E. A., SADCHIKOVA, M. A., GINZBURG, D. A., & CHULINA, N. A. (1962) Gigiena Truda i Professional'nye Zabolevaniya, USSR, 6(1):28-34, (JPRS 13157), "Certain clinical manifestations from chronic exposure to centimeter waves"

331. DROGICHINA, E. A., SADCHIKOVA, M. A., SMEGOVA, G. V., KONCHALOVSKAYA, N. M., & GLOTOVA, K. V. (1966) Gigiena Truda i Professional'nye Zabolevaniya 10(7):13-17, (JPRS 38663, LC-ATD-66-124, AD 644360), "The problem of autonomic (vegetative) and cardiovascular disorders during the chronic action of SHF electromagnetic fields"

332. DRUZ, V. A., & MADIYEVSKII, V. M. (1956) Biophysics 11:724-731 (In English), (Biofizika 11(4):631-637), "Effect of constant magnetic and low-frequency electromagnetic fields on the hydration capacity of surviving tissues"

333. DUHAMEL, J. (1959) Presse Med. 67(4):151-, (In French) "Biological effects of ultrahigh frequency radio waves"

334. DUMANSKIY, YU. D. (1966) (Ref.?) ATD-66-92, "Hygienic evaluation of radio frequency electromagnetic waves"

335. DUMANSKIY, YU. D. (1967) Vestnik Akademii Meditsinskikh Nauk USSR, 22(8):47-52, (ATD 68-105-108-9, Soviet Radiobiology (June 1968)), (AD 671436), "Hygienic evaluation of radio frequency electromagnetic fields in populated areas"

336. DYAKOV, YU, P. (1957) Trudy Voy Med. Akad. i Kirov, USSR, 73:20 only, [Title not given]

337. DZYAMIDAVA, S. I., & KULIN, YA. T. (1967) Akademiia Navuk BSSR, Minsk, Vesti Seryya Biyalahichnykh Navuk (2):84-86, (Abstr. in ATD Rpt 68-105-108-9, Soviet Radiobiology, p. 73 only, (June 1968), AD 671436), "Effects of ultrahigh frequency exposure on the amount of glycolysis-intermediate products in yeast cells"

338. EAKIN, S. K. (1964) Doctoral Dissertation, Baylor Univ., "Behavioral effects of stimulation by UHF radio fields"

339. EAKIN, S. K., & THOMPSON, W. D. (1962) Psychological Reports 11:192 only, "Effects of microwave radiation on the activity level of rats"

340. ECKER, H. A., ZIMMER, R. P., & CAMP, R. W. (1969) Georgia Institute of Technology, Tech. Note #1, "Preliminary investigation of the use of electromagnetic radiation in differential hypothermia"

341. EDELWEJN, Z. (1968) Acta Physiologica Polonica 19(6):897-906, (In Polish with English summary) "An attempt to assess the functional state of the cerebral synapses in rabbits exposed to chronic irradiation with microwaves"

342. EDELWEJN, Z., & BARANSKI, S. (1966) Lekarz Wojskowy, Poland, (9):781-786, (In Polish), (NASA TT-F-10-612, Jan. 1967), "Investigation of the effects of irradiation on the nervous system of personnel working with microwave fields"

343. EDELWEJN, Z., & HADUCH, S. (1962) Acta Physiologica Polonica 13(3):431-435, (In Polish), (Physiological Polonica 13(3): 371-374, (1963), English transl.), "Electroencephalographic studies in persons exposed to microwaves"

344. EDEN, W. M. (1970) Paper presented at 4th Annual Midyear Topical Symposium, Health Physics Soc., Electronic Product Radiation and the Health Physicist, Louisville, Ky., 28-30 Jan.; Bur. of Radiation Health, Div. of Electronic Product Rept. No. 70-26, pp. 159-172, "Microwave oven repair: hazard evaluation"

345. EDMUNDS, F. E. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.) p. 327-, "Naval exposure environment"

346. EGAN, W. G. (1957) Electrical Engineering 76:126-, "Eye protection in radar fields"

347. EISENBUD, M. (1954) Annual Progress Report to the Commission on Environmental Hygiene of the Armed Forces Epidemiological Board, (AD 431047L), "Exposure of radar workers to microwaves"

348. EL'DAROV, A. L., & KHOLODOV, YU. A. (1964) Zh. Obshchei Biologii 25(3):224-229, "The effect of a permanent magnetic field on the motor activity of birds"

349. ELDER, R. L. (1971) In: Proc. "Biological Effects of Non-Ionizing Radiation" Symposium, (Rosenthal, S. W., Chm.), New York, 22-25 Mar., "Introduction-development of regulatory programs under the Radiation Control for Health and Safety Act of 1968"

350. ELEAZAROVA, M. P. (1940) Moskovskaia oblastnaia klinika fizicheskikh metodov lecheniia. Trudy (Moscow) 4:177-, "Changes in protein metabolism under the influence of UHF fields"

351. ELISEEV, V. V. (1964) In: The Biological Action of Radio-Frequency Electromagnetic Waves, Moscow, p. 94-, "Method of irradiating animals in experimental investigations of the action of radio-frequency electromagnetic waves"

352. ELISEEVA, M. I. (1937) Sbornik Biol. deistvii UHF, (Compilation of Biological Effects of UHF Radiation), (In Russian), 261 pages, "Glycaemic reaction in rabbits to the action of electrical fields of UHF"

353. ELY, T. S. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Benghart, F. W., eds.) 2:97-104 (AD #131477), "Field trial of Richardson microwave dosimeter"

354. ELY, T. S. (1959) Digest of Technical papers, Proc. of 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), Lewis Winner, pub., New York, "Review of some recent research on the whole body effects of microwaves"

355. ELY, T. S., & GOLDMAN, D. E. (1957) Proc. of 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1:64-75, (Also Naval Medical Research Institute Research Rpt 15, 77-138, (1957); (with Hearon, J. Z.), IEEE Trans. on Bio-Medical Engineering, BME-11(4):123-137, (1964); and Inst. of Radio Engineers Trans. on Med. Electronics, PGME-4, 38-43 (1956)), "Heating characteristics of laboratory animals exposed to ten centimeter microwaves - summary"

356. ENGELBRECHT, R. W., & MUMFORD, W. W. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.) pp. 55-70, "Some engineering aspects of microwave radiation hazards"

357. ENGLAND, T. S. (1950) Nature 166(4220):480-, "Dielectric properties of the human body for wave-lengths in the 1-10 cm range"

358. ENGLAND, T. S., & SHARPLES, N. A. (1949) Nature 163(4143):487-488, "Dielectric properties of the human body in the microwave region of the spectrum"

359. ENGLE, J. P., HERRICK, J. F., WAKIM, K. G., GRINDLAY, J. H., & KRUSEN, F. H. (1950) Arch. of Physical Med. 31:453-461, "The effects of microwaves on bone and bone marrow, and on adjacent tissues"

360. EPSTEIN, N., & COOK, H. (1951) British J. of Cancer 5:244-, "The effects of microwaves on the 'Rous N-1' fowl sarcoma virus"

361. ERICKSON, E. E., & KINNEY, R. A. (1969) Louisiana State Univ., Baton Rouge, Tech. Rpt #2, (AD 685644), "A study of the feasibility of stimulating neurons by electromagnetic waves"

362. ERRERA, J. (1939) ACTA Unio Internationalis contra cancrum (Paris) 4:195-203, (In French) "Colloidal solutions and high frequency radio waves"

363. ERSHOVA, L. K., & DUMANSKII, YU. D. (1969) Fiziologichnyy Zh. (Kiev) 15(6):777-780, (In Ukr. with English summary), "Cortical biopotentials in rabbits under the effect of low intensity electromagnetic fields with radio frequency waves"

364. ESAY, A., et al. (1936) Naturwissenschaften 24:520-, "Temperature measurements of biological tissue layers at frequencies of 2.7×10^7 Hz to 1.2×10^9 Hz"

365. ESSMAN, L., & WISE, C. (1950) Arch. of Physical Med. 31:502-507, "Local effects of microwave radiation on tissues in the Albino rat"

366. ETTER, H. S., PUDENZ, R. H., & GERSH, I. (1947) Arch. of Physical Med. 28:333-344, "Injurious effects of tissues contiguous to implanted surgical methods"

367. ETTINGER, H. J. (1963) Los Alamos Sci. Lab., USAEC Health and Safety Information, Issue 171 (Sept.), "Microwave hazards"

EVERDINGEN (See Van Everdingen)

368. FAGO, E. T. (1966) Midwest Research Institute, Kansas City, Mo., Final Rpt. (March 1965 to August 1966) to the Naval Ship Systems Command, "Evaluation of radio-frequency protective clothing and measuring instruments"

369. FAITEL'BERG-BLANK, V. P. (1962) Fiziologicheskiy Zh. SSSR 48(6):735-741, (In Russian) "Absorptive, gastric, and intestinal activity under the influence of the microwave electric field"; (Also, Federation Proc. 22, Trans. Supp. pp. T301-T305 (1963), (in English), "Absorptive activity of stomach and intestine under the influence of a UHF electric field")

370. FAITEL'BERG-BLANK, V. R. (1962) Akademiia nauk SSSR, Kiev Dopovidi (10):1367-1370, (In Russian), "The effect of centimeter-band radio waves on the absorption of amino acids, chlorides, and water in the stomach and intestine"

371. FAITEL'BERG-BLANK, V. R. (1963) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 56(8):70-74, (In Russian); (Also, Chemical Abstracts 59:14387-g), "Effect of long-wave diathermy on the absorption by the stomach and intestine"

372. FAITEL'BERG-BLANK, V. R. (1964) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 57(1):45-48, (In Russian); (Abstr. in The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Effect of high frequency waves of centimeter wavelength on the absorptive activity of the stomach and intestine"

373. FAITEL'BERG-BLANK, V. R. (1965) Patologicheskaia Fiziologiia i Eksperimental'naia Terapiia (Moskva) 9(4):90 only, (In Russian) "Changes in absorptive and secretory functions of the stomach affected by experimental ulcers from exposure of the organism to high frequency physical agents"

374. FAITEL'BERG-BLANK, V. R. (1965) Fiziologicheskii Zh. SSSR Sechenova 51(3):372-377, (In Russian) "Variation in mechanism of gastric and intestinal absorptive activity upon exposure to SHF-UHF radiowaves (in the centimeter range)"

375. FAITEL'BERG-BLANK, V. R. (1965) AN UKR RSR Dopovida Akad. Sci. (1):113-116, (In Russian); (Abstr. in Biological Effects of Microwaves, ATP-P-65-68, pp. 56-58), "Role of the CNS and autonomic nervous system in the mechanism of the action of SHF-UHF on gastrointestinal absorption"

376. FELORENKO, N. YE., & SPASSNIY, A. A. (1966) Elektroanaya Obrabotka Materiolov 5:55-62, (Abst. in ATD Rpt 68-105-108-9, Soviet Radiobiology, p. 74 only (June 1968), AD 671436), "Method of exposing the active electrical field of living organisms"

377. FELLOWS, O. N., GRAY, O. S., & SANDERS, M. (1970) Presented before the New York Academy of Sciences, Nov. 1970 at the Symposium on "Effect of Controlled Electromagnetic Energy on Biological Systems", 7 pages, "Selective effect of electromagnetic energy on viruses"

378. FENN, J. E. (1969) Canadian Medical Assoc. 100:251-254, "Effect of pulsed electromagnetic energy (Diapulse) on experimental hematomas"

379. FERREIRA, J., & CARDANELLI, J. (1957) Case Practica Medicine 34:262-, "Lipophegin granuloma of abdominal wall due to diathermy"

380. FERRIS, B. G., JR. (1966) New England J. of Med. 275:1100-1105, "Environmental hazards: electromagnetic radiation"

381. FELCHT, B. L., RICHARDSON, A. W., & HINES, H. M. (1949) Arch. of Physical Med. 30:164-169, "Effects of implanted metals on tissue hyperthermia produced by microwaves"

382. FIDEL'MAN, F. M., & RASINA, G. YA. (1967) Gigiena Truda i Professional'nye Zabolevaniia (Moskva) (8):56-57, (ATD Rept. 68-105-108-9 Soviet Radiobiology, pp. 74-75 (June 1968); AD 671436), "Hygienic evaluation of intensity levels for HF electromagnetic fields at Chelyabinsk Industrial plants, and the means of protection against the fields"

383. FIGAR, S. (1963) Ceskoslovenska Fysiologie (Praha) 12(5):316 only, (In Czech), (ATD Rept. U-64-110 (English abst.), 7 pages, AD 623253), "Effect of a strong electromagnetic field on vasomotor activity"

384. FINCH, H. (1955) General Electric Lab., BA102 Data Folder DF55CL-278, "Bibliographical abstract of biological effects of electromagnetic radiation"

385. FINKELSTEIN, S., & ROTH, E. M. (1968) In: Compendium of Human Responses to the Aerospace Environment, 1, (5), pp. 1-22, "Electrical current"

386. FISCHER, F. P., NEUBAUER, R. A., & SARKEES, Y. T. (1959) In: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, (Knauf, G. M., Chm.), pp. 19-25 (for Parts I, II, & III), Part I. "Studies on the biological effects of 200 megacycles"; Part II, Osborn, C. M., (title not given), and Part III, Addington, C., "Ophthalmological studies"

387. FISCHER, F. P., NEUBAUER, R. A., SARKEES, Y. T., ADDINGTON, C. H., OSBORN, C., & SWARTZ, G. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:15-21, "Electrical instrumentation of bio-electric hazards at 200 mc, and the development of a miniature hazard meter"

388. FISHER, L. I. (1964) Voprosy Kurortologii Fizioterapii, i Lechebnoy Fizicheskoy Kultury (Problems of Health-Resort Science, Physiotherapy, and Therapeutic Physical Culture), 29(2):149-154, (OTS-64-31500; JPRS 25121, pp. 9-16), "Use of SHF-UHF therapy in acute nephritis"

389. FIXOTT, R. S., & ROSE, _. (1956) Rpt, School of Aviation Medicine, U. S. Air Force (March), "Ocular findings on electronics personnel"

390. FLAX, H. J., MILLER, R. N., & HORVATH, S. M. (1949) Arch. of Physical Med. 30:630-637, "Alterations in peripheral circulation and tissue temperature following local application of short wave diathermy"

391. FLEMING, H. (1944) Electrical Engineering 63(1):18-21, "Effect of high frequency fields on micro-organisms (bacteria)"

392. FLEMING, J., JR., PINNEO, L., BAUS, R., JR., & McAFEE, R. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.), pp. 229-249, "Microwave radiation in relation to biological systems and neural activity"

393. FOFANOV, P. N. (1966) Klinicheskaya Meditsina 44(4):18-22, (JPRS 36301; TT-66-32733), "Features peculiar to hemodynamics in persons working in conditions of protracted electromagnetic high frequency radiation"

394. FOFANOV, P. N. (1966) Probl. Endokrinologii i Gormonoterapii, Moscow 12(5):16-17, (In Russian), (JPRS-39265), "On functional changes of the thyroid gland in persons exposed to the effect of microwave irradiation (preliminary report)"

395. FOFANOV, P. N. (1968) Sovetskaya Meditsina 31(9):107-110, (In Russian), "Clinical picture of continuous action of SHF-UHF electromagnetic radiation on man"

396. FOFANOV, P. N. (1969) Kardiologiya 9(4):124-126, (JPRS 48481, July 1969), "Hemodynamic changes in individuals working under microwave irradiation"

397. FOLLIS, R. H., JR. (1946) Amer. J. of Physiology 147:281-283, (Also, Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.) pp. 229-249, 1961), "Studies on the biological effects of high frequency radio waves (radar)"

398. FORTUNATOW, E. (1968) Report, ATD 68-105-108-9; N68-33037; AD 671436, "Soviet Radiobiology"

399. FRAENKEL, G. (1937) Archives Des Sciences Biologique 47(3):115-132, (Arkh. Biol. Nauk), (In Russian) "A summary of our studies in the electric field of ultra-high frequency"

400. FRANKE, V. A. (1957) In: Proc. of Jubilee Scientific Session of Institute of Labor Hygiene and Occupational Diseases of Academy of Medical sciences of the USSR, Moscow, pp. 71-, "Measurement of electric and magnetic components of a high-frequency field in the immediate vicinity of radiation sources (in the induction zone) in the range 100 kHz - 300 MHz"

401. FRANKE, V. A. (1958) In: Protection from the Action of Electromagnetic Fields and Electric Current in Industry, Leningrad, p. 64-, "Measurement of electric and magnetic components of a high-frequency field in the frequency range 100 kHz to 3 MHz, and the design of equipment"

402. FRANKE, V. A. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "Dependence on the frequency of the absorption of energy by a human in an electromagnetic field"

403. FRANKE, V. A., et al. (1962) Circulation Research 10:870-, "Study of high-frequency components in electrocardiograms by power spectrum analysis"

404. FRANKE, V. A., & USHINSKAYA, O. (1962) Arbeitsoekonomik und Arbeitsschutz (Labor Economy and Occupational Safety) 6(1): 65-71, (In German) "Personnel safety problems confronting operators of (HF and VHF) radio frequency equipment"

405. FRANK-KAMENETSKIY, D. A. (1961) Nauka i Zhizn' (7):88-90, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17 (Apr. 1965)), "Observations by physics (electromagnetics)" [Use of electromagnetic fields in biological studies]

406. FRANK-KAMENETSKIY, D. A. (1961) Doklady Akad. Sci. USSR 136(2):476-478, (In Russian), (Also Transl. in Soviet Physics Doklady (in English) 6:91-92 (1961)), "Plasma effects in semiconductors, and the biological effect of radiowaves"

407. FRANKLIN, P. (ed.) (1969) Microwaves 8(9):13-14, "Microwave safe exposure level scrutinized"; p. 14, "Low level microwaves stop frogs' hearts"; (1969) p. 16, "Monkey deaths denied in RF bio-tests at Sanders"

408. FRASER, A., & FREY, A. H. (1968) Biophysical J. 8(6):731-734, "Electromagnetic emission at micron wavelengths from active nerves"

409. FRENCKEL, G. L. (1941) Arkh. Biologii Nauk, Archives Des Sciences Biologiques 61(1):147-156, "Urgent problems of high frequency therapy and their experimental accomplishment"

410. FRENKEL', G. L. (1937) In: All Union Institute for Experimental Medicine, Moscow, pp. 115-137, also p. 410, "Some characteristics of the biological effect of VHF-HF"

411. FRENKEL', G. L. (1939) The Electrical (UHF-VHF-HF) Field (Ultrashort Waves) in Biology and Experimental Medicine, Vols. I and II; Vols. III and IV (1940) (Elektricheskaye pole ul'travysokoy chastoty (ul'trakorotkiye volny) v biologii i eksperimental'noy meditsine, Medgiz, Moscow, Leningrad)

412. FRENKEL', G. L., & KUPALOV, P. S. (1937), See Kupalov and Frenkel' (1937)

413. FREY, A. H. (1961) Aerospace Med. 32(12):1140-1142, "Auditory system response to radio frequency energy: technical note"

414. FREY, A. H. (1961) Presented at Aerospace Medical Assoc. Meeting, April, (Also at 4th Internat. Conf. on Medical Electronics, 20 July, Cornell Univ., Ithaca, N.Y.), "Auditory system response to modulated radio frequency energy"

415. FREY, A. H. (1961) In: Digest of the 1961 Internat. Conf. on Medical Electronics, 4th, (Frommer, P. L., ed.), p. 158 only, "Human auditory system response to modulated radio frequency energy"

416. FREY, A. H. (1962) J. of Applied Physiology 17(4):689-692, "Human auditory system response to modulated electromagnetic energy"

417. FREY, A. H. (1963) Amer. J. of Medical Electronics 2(1):28-31, "Some effects on human subjects of ultra-high frequency radiation"

418. FREY, A. H. (1963) Naval Research Reviews 16:1-, "Human response to very-low-frequency (VLF) electromagnetic energy"

419. FREY, A. H. (1965) Psychological Bulletin 63(5):322-337 (Also Rpt. #64-01, Institute for Research, State College, Pa., (47 pages), AD #606961), "Behavioral biophysics"

420. FREY, A. H. (1967) J. of Applied Physiology 23(6):984-988, (AD 678943), "Brain stem evoked responses associated with low-intensity pulsed UHF energy"

421. FREY, A. H. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 134-139, (AD 698195; N70-20352), "Effects of microwave and radio frequency energy on the central nervous system"

422. FREY, A. H., & SEIFERT, E. (1968) Life Sciences 7 (part II):505-512, (AD 678942), "Pulse modulated UHF energy illumination of the heart associated with change in heart rate"

423. FRICKER, S. J. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1:77-78, "Biologically meaningful units of RF measurement and dosimetry development"

424. FRICKER, S. J. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1(Appendix C):104-108, "Summary of results of UHF radiation hazard experiments at Lincoln Laboratory, MIT"

425. FRICKER, S. J. (Moderator) (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1:79-88, "Microwave exposure discussion"

426. FRIEND, A. W., JR. (1970) Report, Moore School of Electrical Engineering, Univ. of Pennsylvania, "Some research results concerning the effects of AC electric fields and pulses on the Giant Amoeba, Chaos chaos"

427. FRIEND, A. W., JR. (1970) (A Report proposal for a course at Univ. of Pennsylvania, May), "An investigation of motion of living cells and related electrical, mechanical, and optical phenomena, using giant amoebae and the techniques of microcircuitry"

428. FROLOVA, L. T. (1963) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) (Labor Hygiene and Occupational Disease) (2):27-29, (JPRS 19068, pp. 6-9, OTS 63-21756, N64-11858), "Hygienic evaluation of the working conditions in work with high-frequency currents"

429. FROMMER, P. L., (ed.) (1961) Digest of the 1961 Internat. Conf. on Medical Electronics. Plenum Press, New York, Biological Effects of Microwaves, I (Athermal Aspects)

430. FUCHS, G. (1952) Wiener Medizinische Wochenschrift 102:583-588, (In German) "The combined shortwave and x-ray therapy of malignant tumors"

431. FUKALOVA, P. P. (1964) Trudy Nii Gigiena Truda i Profzabolevaniya,USSR, (2):78-79, (JPRS 34,963) "The effect of short and ultrashort waves on body temperature, and the survival rate of experimental animals"

In:

432. FUKALOVA, P. P. (1964)/Biological Effects of Radio Frequency Electromagnetic Fields, Inst. of Industrial Hygiene and Occupational Diseases, Academy of Med. Sci., USSR. (Trudy Nii Gigiyena Truda i Profzabolevaniy, Moscow, USSR, (2):144-148) (In Russian) "Sensitivity of olfactory and visual analyzers in individuals exposed to continuously generated short and ultrashort waves"

433. FUKALOVA, P. P. (1964) In: Biological Effects of Radio Frequency Electromagnetic Fields, Inst. of Industrial Hygiene and Occupational Diseases, Academy of Med. Sci., USSR, Moscow (Trudy Nii Gigyena Truda i Profzabolevaniy (2):158-163) (Transl. in: The Biological Action of Radio Frequency Electromagnetic Fields), "Hygiene characteristics of working conditions with sources of shortwave and ultrashort waves at radio and television stations"

434. FUKALOVA, P. P. (1966) Gigiena i Sanitariya, USSR, 31(2):306-308, (TT 66-51160/4-6, in English), "Effectiveness of protection against shortwave and ultrashortwave electromagnetic fields at radio and TV stations"

435. FUKALOVA, P. P., & SMUROVA, YE. I. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 57-58, "Changes in the functional condition of some analyzers (sense receptors?) in persons exposed to SHF-UHF fields"

436. FUKALOVA, P. P., TOLGSKAYA, M. S., NIKOGOSYAN, S. V., KITSOVSKAYA, I. A., & ZENINA, I. N. (1966) Gigiena Truda i Professional'nye Zabolevaniia (Moskva) USSR, 10(7):5-9, (ATD Rpt 66-126, JPRS 38,663 (16 Nov. 1966), AD 644537), "Research data on the standardization of electromagnetic fields in the short and ultrashort wave ranges"

437. FUREDI, A. A., & OHAD, I. (1964) Biochimica et Biophysica Acta 79:1-8, "Effects of high-frequency electric fields on the living cell: I. Behavior of human erythrocytes in high-frequency electric fields and its relation to their age"

438. FUREDI, A. A., & VALENTINE, R. C. (1962) Biochimica et Biophysica Acta 56:33-42, "Factors involved in the orientation of microscopic particles in suspensions influenced by radio-frequency fields"

439. FURMAN, S., PARKER, B., KRAUTHAMER, M., & ESCHER, D. J. W. (1968) Annals of Thoracic Surgery 6(1):90-95, "The influence of an electromagnetic environment on the performance of artificial cardiac pacemakers"

440. GALE, C. K. (1935) Arch. of Physical Therapy 16:271-277, "Penetrative and selective heat effects of short and ultrashort waves. (An experimental study with unicellular organisms and with electrolytes)"

441. GAPEYEV, P. I. (1957) Trudy Voenno-meditsinskoi akademii Krasnoi Armii imeni S. M. Kirova 73:152-, "The effect of SHF-UHF fields on sight organs"

442. GATEV, S. (1965) Voenno Meditsinski delo 20(3):30-35, (In Russian) "Treatment of tenovaginitis with microwave (radar) and hydrocortisone phonophoresis"

443. GEL'FON, I.A. (1964) In: Biological Effects of Radio Frequency Electromagnetic Fie Inst. of Industrial Hygiene and Occupational Diseases, Academy of Med. Sci., USSR, Moscow, pp. 68-69, "The effect of 10 low-intensit electromagnetic waves on the histamine content in the blood of animals"

444. GEL'FON, I. A., FEDOKOVA, V. I., & PATUSHINSKII, G. I. (1965) Gigiena Truda i Professional'nye Zabolevaniia (Moskva) USSR, 9(5):28-33, (In Russian),((JPRS 31877, English summary), "Effect of VHF-HF therapy on connective tissue proteins of the lungs in experimental silicosis"

445. GEL'FON (1960) Trudy Nii Gigyena Truda i Profzabolevaniy, USSR (1):46-49, (In Russian),(Also an article with similar title: ibid. (2):133-136 , (1964); (Also in Biological Action of UHF, Letavet, A. A., & Gordon, Z. V., (eds.), Academy of Medical Sciences USSR, Moscow, (OTS 62-19175), (JPRS 12471, pp. 42-46), "Protein fractions and histamine of the blood under the influence of SHF-UHF and HF radio waves"

446. GEMBITSKIY, YE. V. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 14-15, "Material on the clinical aspects of chronic microwave effects"

447. GEMBITSKIY, S. V. (1968) Honvedorvos (2)(Apr-Jun):114-115, "Some problems in the area of the biological effects of high-frequency electromagnetic fields"

448. GEMBITSKIY, YE. V., KOLESNIK,, F. A., & MALYSHEV, V. N. (1969) Voyenno-Meditsinskiy Zh. (Military Medical J.) (5):21-23, "Changes in the blood system during chronic exposure to a superhigh-frequency field"

449. GENTILE, N. (1934) (In Italian with English summary) Abstracts of the 1st Internat. Congress of Electro-radio-biology, Cappelli, L., (ed.), Bologna, Italy, pp. 356-359, "Induced human radiation"

450. GERNSBACH, H. (1959) Radio Electronics (?):29-, "Lethal radio waves"

451. GERSTEN, J. W., WAKIM, K. G., HERRICK, J. F., & KRUSEN, F. H. (1949) Arch. of Physical Med. 30:7-25, "The effect of microwave diathermy on the peripheral circulation and on tissue temperature in man"

452. GERSTEN, J. W., WAKIM, K. G., & KRUSEN, F. H. (1950) Arch. of Physical Med. 31:281-286, "A method for decreasing reflection of microwaves by tissue"

453. GHETTI, B. (1934) (In Italian with English summary) Abstracts of the 1st Internat. Congress of Electro-radio-biology, Cappelli, L., (ed.), Bologna, Italy, pp. 360-366, "Report on tests to determine the possible influence of very short electromagnetic waves (2-3 m) on seed germination and plant development"

454. GIESE, A. C. (1947) Quarterly Review of Biology 22(4):253-283, "Radiations and cell division"

455. GILL, S. J. (1959) Univ. of Colorado, Progress Rpt. to Office of Naval Research (Nov.), (AD 229625), "Magnetic susceptibility of single biological cells"

456. GILLES, E. (1944) Comptes Rendus 123:546-547, (In French) "Lethal effects of ultrashort waves on microorganisms"

457. GILLES, E. (1944 Comptes Rendus 123:565-567, (In French) "Fungicidal and bactericidal effects of ultrashort waves are a consequence of selective thermal action under certain conditions"

458. GINZBURG, D. A., & SADCHIKOVA, M. A. (1964) Trudy nii Gigyena Truda i Profzaboleaniy, USSR, (2):126-132, (Abstr. in: The Biological Action of Radio Frequency Electromagnetic Fields, Moscow), "Changes of the electroencephalogram under continuous action of radio waves"

459. GIORI, F. A., & WINTERGERBER, A. B. (1967) Biomedical Sciences Instrumentation 3:291-308, "Remote physiological monitoring using a microwave interferometer"

460. GLASER, Z. R., & HEIMER, G. H. (1971) Institute of Electrical and Electronics Engineers, Trans. on Microwave Theory and Techniques, (Special Issue on the Biological Effects of Microwaves), MTT-19(2):232-238, "Determination and elimination of hazardous microwave fields aboard Naval ships"

461. GLEZER, D. YA. (1936) Fiziologicheskiy Zh., SSSR 20:5-, (Abstr. in: "The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17 (Apr. 1965)) [Title not given]

462. GLEZER, D. YA. (1937) In: Materials of the Leningrad Conference on VHF-HF Waves, Leningrad, pp. 5-18, [Title not given]

463. GLEZER, D. YA. (1940) Referaty rabot uchrezhdeniy otdeleniya biologicheskikh nauk za, (Abstracts of Studies by the Department of Biological Sciences for 1940), Moscow - Leningrad, pp. 318-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965) [Irradiation of the heads of dogs with 7.7 m electromagnetic waves]

464. GLEZER, D. YA. (1940) Nauchnyi Institut imeni P. F. Lesgaft, Leningrad Izvestiia, 22:5-146, (In Russian with German summary pp. 142-146) (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, 1965), "Ultra short waves and their effect on the organs of the circulatory system"

465. GLEZER, D. YA. (1940) Referaty nauchno-issledovatel'skogo uchrezhd, OBNAN SSSR, Leningrad, "The effect of ultra short waves on the higher nervous activity"

466. GLOTZ, H. C. (1951) Archiv fur Physikalische Therapie 3:45-50, "The increase in fluid production during ultrashort wave irradiation of the head"

467. GOFF, L. G. (1957) Proc. Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1: p. 76 only, "Remarks at microwave conference" (Pertinent to Navy's program of microwave research)

468. GOGIBEDASHVILI, V. G. (1954) Gosudarstvennyy nauchno-issledovatel'skiy Institut Kurortologii i Fizioterapii, Referativnyy Sbornik Trudov, Tbilisis, 22:151-178, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Concerning the participation of the nervous system in the mechanism of UHF action on the secretory function of the stomach"

469. GOGIBEDASHVILI, V. G. (1954) Gosudarstvennyy nauchno-issledovatel'skiy Institut Kurortologii i Fizioterapii, Referativnyy Sbornik Trudov, Tvilisii, 21:176-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Influence of UHF fields on the secretory function of the stomach"

470. GOLDBLITH, S. A. & WANG, D. I. (1967) Applied Microbiology 15:1371-1375, "Effect of microwave on Escherichia coli and Bacillus subtilis"

471. GOLDMAN, D. E. (1960) NMRI Lecture & Review Series, No. 60-6, 1959-1964, (Sept.) pp. 247-255, (Also AD 252582) "Short wave electromagnetic radiation as a hazard to personnel"

472. GOLENDBERG, A. D., YEVSTIFEYEVA, M. I., GLAZUNOVA, YE. I., LYZHKOVA, A. YA., & OSTRYAKOVA, A. N. (1965) Voprosy Kurortologii, Fizioterapii, i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Science, Physiotherapy and Medical Physical Culture) Moscow, 30(1):45-47 (JPRS #29914, pp. 9-13, TT 65-30903), "Experience with microwave therapy"

473. GOLISCHEVA, K. P. (1937) In: Problems of Metrics and Dosimetry of Ultrahigh Frequency in Biology and Medicine, Moscow, pp. 63-74

474. GOLISCHEVA, K. P. (1937) Archiv Des Sciences Biologiques (Arkh. Biol. Nauk), 47(3):133-140, (In Russian with English Summary), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Report P-65-17) "Experimental study on the thermal effect of the electrical ultrahigh frequency field, II"; and pp.141-145, "Experimental study on the thermal effect of the electrical ultrahigh frequency field, III"

475. GOLISCHEVA, K. P. (1939) Arkhiv patologicheskoy anatomii i patologicheskoy fiziologii 5:5-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr.) [Title not given] [Irradiation of rabbits at UHF fields]

476. GOLISCHEVA, K. P. (1941) Arkhiv Patologicheskoi Anatomii, Moscow, 7(2):119-122, (In Russian), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr.), "The effect of the electric field of ultrahigh frequency upon the temperature reaction and glycogen contents in denervated liver in cats"

477. GOLISCHEVA, K. P., & ANDRIYASHEVA, N. M. (1937) In: The Biological Action of Ultrahigh Frequency Waves, Frenkel', G. L., & Kupalov, P. S., (eds.), All Union Institute for Experimental Medicine, Moscow, pp. 309-324, "The effect of ultrahigh frequency on embryonic development of white mice"

478. GOLISCHEVA, K. P., & GAL'PERIN, S. I. (1941) Biulleten' Eksperimental'noy Biologii i Meditsiny 12(5-6): (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17) [Title not given]

479. GONCHAROVA, N. N., KARAMYSHEV, V. B., & MAKSIMENKO, B. V. (1966) Gigiena Truda i Professional'nye Zabolevaniia (Moskva) USSR, 10(7):10-13 (JPRS #38663, ATD Rpt 66-125), "Occupational hygiene problems in working with ultrashort-wave transmitters used in TV and radio broadcasting"

480. GONCHARUK, E. N., & PIVOVAROV, N. A. (1964) 3rd All Union Conf. on Radio Electronics, Tezisy Dokladov, Moscow, "The effect of UHF-VHF electromagnetic field on the motor reactions of man"

481. GORDON, D. A. (1948) Science 108(2817):710-, "Sensitivity of the homing pigeon to the magnetic field of the earth"

482. GORDON, Z. V. (195?) Zh. Gigiyena Epidemiologii Mikrobiologii i Immunologii, Prague _(1):399-404, "Problems of labor hygiene during work with centimeter wave generators"

483. GORDON, Z. V. (1955) Gigiyena i Sanitariya _(12):16-19, (Abstr. in Biological Effects of Microwaves, ATD P-65-68, Sept., 1965, pp. 24a-26, entitled "Effects of centimeter waves on the development of rats"), "Certain data on the action of centimeter waves"

484. GORDON, Z. V. (1957) Gigiyena Truda i Professional'nye Zabolevaniia (Moskva) _(6):14-18, "Certain problems of labor hygiene related to the influence of a UHF field"

485. GORDON, Z. V. (1957) In: Summaries of reports, Part 2, Jubilee Scientific Session of Inst. of Labor Hygiene & Occupational Diseases Dedicated to 40th Anniv. of the Great October Socialistic Revolution, Moscow, [Title not given]

486. GORDON, Z. V. (1960) Nauchno-issledovatel'skiy institut gigiena i profzabolevaniya (1):22-25 (Abstr. in: Biological Effects of Microwaves, ATD P-65-68, Sept. 1965, pp. 21-22,; also in: Letavet, A. A., & Gordon, Z. V., (eds.) (1960), pp. 18-21 (JPRS 12471) The Biological Action of Ultrahigh Frequencies), "Hygienic evaluation of the working conditions in the vicinity of UHF generators"

487. GORDON, Z. V. (1960) Trudy Nii Gigiena Truda i Profzabolevaniya,USSR, _(1):65-68 (also in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, JPRS 12471, pp. 64-67), "Investigation of the blood pressure in rats (bloodless method) under the influence of SHF-UHF"

488. GORDON, Z. V. (1960) Trudy Nii Gigiena Truda i Profzabolevaniya, USSR, _(1):5-7, (Abstr. in Biological Effects of Microwaves, ATD-P-65-68, pp. 71-72; also, abstr. in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Academy of Medical Sciences, USSR, Moscow, p. 2-, (JPRS 12471, OTS 62-19175), "The problem of the biological action of UHF"

489. GORDON, Z. V. (1960) In: Physical Factors of the Environment, Letavet, A. A., (ed.), p. 135-

490. GORDON, Z. V. (1960) Vestnik Akademii Meditsinskikh nauk SSSR, Moskva, 15(4):82-86, All Union Scientific Conf. on Problems of Industrial Hygiene and the Biological Action of Electromagnetic Waves

491. GORDON, Z. V. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 15-16, "Certain features of the biological effect of microwaves of various ranges"

492. GORDON, Z. V. (1964) In: Biological Action of Radio Frequency Electromagnetic Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Science, USSR, Moscow, (Trudy Nii Gigiyena Truda i Profzabolevaniy, USSR, _(2): pp. 57-60),"The effect of microwaves on blood pressure level in test animals"

493. GORDON, Z. V. (1964) In: Akademiya meditsinskikh nauk, Vestnik, 19(7):42-49, (Abstr. in: The Biological Effects of Microwaves, ATD-P-65-68, pp. 90-92; also, Herald of the Academy of Medical Sciences USSR, JPRS 27037; TT 64-51288, Oct. 1964, pp. 61-71), "Problems of industrial hygiene and the biological effect produced by radio waves of various bands"

494. GORDON, Z. V. (1964) In: Biological Action of Radio Frequency Electromagnetic Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Science, USSR, Moscow, (Trudy Nii Gigiyena Truda i Profzabolevaniy, USSR, _(2):3-9) "Results of a comprehensive study of the biological effects of radio frequency electromagnetic waves and the outlook for further research"

495. GORDON, Z. V. (1966) Gigiena Truda i Professional'nye Zabolevaniya (Moskva), 10(10):3-6, (JPRS 39820), "Electromagnetic radio frequency fields as a health factor"

496. GORDON, Z. V. (1966) (Book Review, in Foreign Science Bulletin 3(1):46-50, Jan. 1967), Biological Effects of Microwaves: Problems of industrial hygiene and the biological effects of ultrahigh-frequency electromagnetic waves, Izdatel'stvo "Meditsina", Leningrad Otdelenie, 164 pages, [Transl. by Israel Program for Scientific Translations, Ltd., Pub. by Nat. Aeronautics & Space Admin., and Nat. Sci. Foundation (TT-70-50087; NASA TT-F-633), (1970), Biological Effects of Microwaves in Occupational Hygiene]

497. GORDON, Z. V., & BELITSKIY, B. M. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, pp. 7-8

498. GORDON, Z. V., & ELISEEV, V. V. (1964) In: The Biological Action of Radio-Frequency Electromagnetic Fields, Moscow, pp. 151-, "Means of protection from SHF radiation and their effectiveness"

499. GORDON, Z. V., KITSOVSKAYA, I. A., TOLGSKAYA, M. S., & LETAVET, A. A. (1961) Digest of Internat. Conf. on Medical Electronics, in: Biological Effects of Microwaves (Athermal Aspects) I, (Frommer, P. L., ed.) Plenum Press, New York, pp. 153-

500. GORDON, Z. V., LOBANOVA, YE. A., KITSOVSKAYA, I. A., & TOLGSKAYA, M. S. (1963) Medical Electronics and Biological Engineering 1(1):67-69 (Presented at 4th Internat. Conf. on Medical Electronics, New York, July 1961), "Biological effect of microwaves of low intensity"

501. GORDON, Z. V., LOBANOVA, YE. A., KITSOVSKAIA, I. A., & TOLGSKAIA, M. S. (1969) Biulleten Eksperimental'noy Biologii Meticsiny 68(7):37-39, (In Russian with English summary), "Experimental studies of the biological effect of electromagnetic waves with wavelengths of about a millimeter"

502. GORDON, Z. V., LOBANOVA, YE. A., & TOLGSKAYA, M. S. (1955) Gigiena i Sanitariya USSR, _(12):16-18, "Some data on the (bio) effects of microwaves"

503. GORDON, Z. V., LOBANOVA, YE. A., KITSOVSKAYA, I. A., NIKOGOSYAN, S. V., & TOMASKAYA, M. S. (1962) In: Summaries of reports, Second All Union Conf. on the Application of Electronics in Biology and Medicine, (Moscow, Niiteir), p. 20-, "Data on the biological effect of microwaves of various frequencies"

504. GORDON, Z. V., & LOBANOVA, YE. A. (1960) Trudy Nii Gigiena Truda i Profzabolevaniya USSR, _(1):59-60, (Abstr. in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), JPRS 12471, pp. 57-59), "Temperature reaction of animals under the influence of SHF-UHF"

505. GORDON, Z. V., & PRESMAN, A. S. (1955) Gigiena i Sanitariya USSR, _(12):16-18, "Certain data on the action of centimeter waves (experimental investigation)"

506. GORDON, Z. V., & PRESMAN, A. S. (1956) Bureau of Technical Information, Ministry of the Radio Engineering Industry, Moscow, 14-, Preventative and Protective Measures in Work with Generators of Centimeter-Waves

507. GORDON, Z. V., TOLGSKAYA, M. S., & ALEKSANDROVA, L. S. (1963) Abstr. of the Conf. on Industrial Hygiene and the Biological Action of Radio Frequency Electromagnetic Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Sciences, Moscow, p. 23-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt. P-65-17, Apr. 1965)

508. GORDON, Z. V., & YELISEYEV, V. V. (1964) Trudy Nii Gigiena Truda i Profzabolevaniya USSR _(2):151-157 (ATD abstr., JPRS 34,963), "Devices for protection against SHF-UHF radiation and their effectiveness"

509. GORDON, Z. V., et al. (1957) In: Summaries of reports, Part 2: Jubilee Scientific Session of the Institute of Labor Hygiene and Occupational Diseases Dedicated to the 40th Anniv. of the Great October Socialistic Revolution, Moscow, "Morphological changes in animals under the action of ultrahigh frequencies"

510. GORDON, Z. V., et al. (1963) Biol. i Medits. Elektronika _(6):72-, "On the biological action of microwaves of various frequencies"

511. GORE, I., & ISAACSON, N. H. (1949) Amer. J. of Pathology 25:1029-1046, "The pathology of hyperpyrexia: observations at autopsy in 17 cases of fever therapy"

512. GORODETSKAYA, S. F. (1960) Fiziologicheskiy Zh. Akad. nauk UKR SSSR, 6(5):622-628, "The effect of centimeter-band radio waves on hematogenic organs, reproduction, and the higher nervous activity"

513. GORODETSKAYA, S. F. (1961) Fiziologicheskiy Zh. Akad. nauk UKR SSSR, 7(5):672-674, "The effect of 3 cm radiowaves on the functional condition of the adrenal cortex"

514. GORODETSKAYA, S. F. (1962) Fiziologicheskiy Zh. Akad. nauk UKR SSSR, 8(3):390-396, (Also, FTD-TT-62-1361/1+2, AD #292205), "Morphological changes in internal organs when the organism is exposed to the effect of centimeter waves"

515. GORODETSKAYA, S. F. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, "The effect of SHF-UHF on reproductive organs"

516. GORODETSKAYA, S. F. (1963) Fiziologicheskiy Zh. Akad. nauk UKR SSSR, 9(3):394-395, (Also, JPRS 21200, OTS 63-31815, and N63-22588), "The effect of centimeter radio waves on mouse fertility"

517. GORODETSKAYA, S. F. (1964) Fiziologicheskiy Zh. Akad. nauk UKR SSSR, 10(4):494-500 (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (Also, JPRS 26990, N64-33486), "Effect of a SHF-UHF field and convectional heat on the estrual cycles of mice"

518. GORODETSKAYA, S. F. (1964) In: Problems of the Biophysics and Mode of Action of Radiation, (Also, JPRS 34963), pp. 70-74, "Characteristics of the biological effect of 200 cm radio waves on animals"

519. GORODETSKAYA, S. F. (1964) In: Biological Action of Ultrasound and SHF-UHF Electromagnetic Oscillations, Gorodetskiy, A.A., (ed.), Academy of Sciences, Institute of Physiology, imeni A. A. Bogomolets, Kiev, UKR SSR, (JPRS 30860, Abstr. in: Biological Effects of Microwaves, ATD-P-65-68, (1965), pp. 53-54, and N65-28706), pp. 80-91, "Effect of a SHF-UHF electromagnetic field on the reproduction, peripheral blood composition, conditioned reflex activity, and the morphology of the internal organs of white mice"

520. GORODETSKAYA, S. F., & KEROVA, N. (1965) Fiziologicheskiy Zh. Akad. nauk UKR SSSR, 12(2):246-253, "Changes in some functional and biochemical indices in the testicles of animals exposed to 3 cm radiowaves"

521. GORODETSKIY, A. A. (ed.) (1964) Academy of sciences, Institute of Physiol. imeni, A. A. Bogomolets, Kiev, UKR SSR, 120 pages, (JPRS 30860, TT-65-31380, and N65-28700), Biological Action of Ultrasound and Super gh Frequency Electromagnetic Oscillations

522. GORODETSKIY, A. A., YEVDOKIMOV, I. R., KOLESNI, V. M., & SHEVKO, G. N. (1967) Fiziologicheskiy Zh. 13(2):230-233, [Title?]

523. GORSHENINA, T. I. (1963) Materially Teoreticheskoy i klinicheskoy meditsiny (Tomak), _(2):pp.? "Early morphological changes after exposure to experimental electromagnetic fields"

524. GORSHENINA, T. I. (1964) Materials of the 1st Scientific Conf. of the Central Scientific Research Lab. (Tomsk), "Changes in the lungs induced by alternating electromagnetic fields"

525. GORSKI, S., KWASNIEWSKA-BLASZCZYK, M., & MACKIEWICZ, S. (1967), Polski tygodnik lekarski, Warsaw, 22:940-943, "Isotope evaluation of the effect of microwaves on capillary circulation in muscles of the extremities"

526. GRAHAM, G. D. (1935) Arch. of Physical Therapy 16:741-742, "Desiccation of hemorrhoids"

527. GRANBERRY, W. M., & JANES, J. M. (1963) J. of Bone and Joint Surgery 45A:773-777, "The lack of effect of microwave diathermy on bone of the growing dog"

528. GRANOVSKAYA, R. M. (1961) Leningrad Obshchestva Yestestvoispytateley 72(1):pp.? "The problem of electromagnetic brain fields"

529. GRANT, E. H. (1969) Non-Ionizing Radiation 1(2):77-79, "Fundamental physical concepts underlying absorption of microwave energy by biological material"

530. GRANT, E. H., KEEPE, S. E., & TAKASHIMA, S. (1968) J. of Physical Chemistry 72:4373-, "The dielectric behavior of aqueous solutions of bovine serum albumin from radiowave to microwave frequencies"

531. GRAY, O. S. (1970) Feb. 10, U. S. Patent Office, Pat. #3,494,722, "Method and apparatus for sterilizing [using microwave radiation & heat & pressure]"; Pats. #3,494,723, and #3,494,724, "Method and apparatus for controlling microorganisms and enzymes"

532. GRAY, O. S., & SANDERS, H. (1970) Paper presented to Section of Environmental Sciences of the New York Academy of Sciences, (4 Nov.), 7 pages, "Effect of controlled electromagnetic energy [microwave] on biological systems"

533. GREBESHECHNIKOVA, A. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, p. 17-, "The effect of SHF-UHF fields in the decimeter and meter wave ranges on the motor evacuator function of the gastrointestinal tract in dogs and guinea pigs"

534. GRIFFIN, D. R., McCUE, J. J. G., & GRINNELL, A. D. (1962) Rept., Harvard Univ. Cambridge, Mass. (AD 296493), "The resistance of bats to jamming"

535. GRIGOR'IAN, D. G. (1969) Voprosy Kurortologii Fizioterapii i Lechebnoi Fizicheskoi Kultury (Problems in Health Resort Sci., Physiotherapy, & Medical Physical Culture), Moscow, 34(6):510-513, (In Russian) "Examination of proteins in the brain and blood serum of animals which have been exposed to microwave radiation"

536. GRIGOR'YEVA, T. A. (1937) Biologicheskoye deystviye UVCh. Simpozium. (Biological effect of ultrahigh frequencies. Symposium), Moscow, pp. 137-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), [Title not given], [Irradiation of sciatic nerve of cat]

537. GRINBARG, A. G. (1959) Kazanskiy Med. Zh. Navy USSR, 40(4):59-61 and/or 63-65 (JPRS 2802), "VHF-HF therapy in certain affections of the peripheral nervous system"

538. GRISHINA, K. F. (1958) Biofizika 33(3):358-362 (Pergamon Press Transl.), "The importance of certain procedures in the local response of tissues to centimeter waves"

539. GRISHINA, K. F., & KOMAROVA, A. A. (1963) Leningrad (Transl. of some sections are in JPRS 21725, OTS 63-41061), 320 pages, Techniques and Methods of Conducting Physiotherapeutic Procedures

540. GRISHKO, F. I. (1959) Fiziologicheskiy Zh. Akad. nauk UKR SSR, 5(1):31-38, (Abstr. in Biological Abstracts, No. 33058, 1964), "The effect of an ultrahigh electromagnetic field on the reflex activity of the spinal cord with differing Ca and K concentration"

541. GROAG, P. (1937) ACTA of 1st Internat. Congress of Shortwaves, Vienna, "Shortwave therapy; a specific heat therapy"

542. GROAG, P., & TOMBERG, V. (1933) Wiener Klinische Wochenschrift 46(30):929-935, (In German), "Concerning shortwave therapy"; ibid., 46(31):964-969, "Concerning shortwave therapy"; ibid., 47, 9, (1934), "Biological effects of shortwave therapy"

543. GROSS, E. (1969) Science News (25 Oct.) 96(17):382-,, "Microwaves and health effects"

GROVE, M. H., see citation #2062

544. GROSSE, G., LINDNER, G., & SCHNEIDER, P. (1969) Zeitschrift fuer Mikroskopisch-anatomische Forschung, Germany, 80(2): 260-268, (In German with English summary), "The influence of electric fields on in vitro cultured nerve cells"

545. GRUTZNER, P., & HEIDENHAIN, R. (1878) Archives fur die Gesamte Physiologie 16:1-59, (In German), [Title?]

546. GRUZDEV, A. D. (1965) Biofizika 10:1091-, "The orientation of microscopic particles in electric fields"

547. GRYNBAUM, B., MEGIBOW, R. S., & BIERMAN, W. (1950) Arch. of Physical Med. 31:629-631, "The effect of shortwave diathermy upon the . . . circulation as determined by microplethysmography"

548. GUEHLBERGER, M. (1945) Malovet Med. Acta 12:173-183, "Changes in renal function produced by shortwave irradiation of the kidneys"

549. GULYAYEV, P. I. (1940) Trans. of 1st Conf. on Applied Problems of Shortwaves and Microwaves in Medicine, Medgiz, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt. P-65-17, 1965), "Maximum energy absorptions in a high frequency electromagnetic field"

550. GULYAYEV, P. I. (1967) Proc. of Symposium on Physics and Biology, Moscow, pp. 19-, "The electroauragram. The electric field of organisms as a new biological connection"

551. GULYAYEV, P. I., ZABOTIN, V. P., & SHLIPPENBAKH, N. YA. (1967) Paper read to the Leningrad Society of Naturalists, February 13, "The electroauragram; The electric field in the air around excited tissues"

552. GUNN, S. A., GOULD, T. C., & ANDERSON, W. A. D. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.), pp. 99-115, (Also, Deichmann, W. B., et al., (1959) Section in: Microwave Radiation Research), "The effect of microwave radiation (24,000 Mc) on the male endocrine system of the rat"

553. GUNN, S. A., GOULD, T. C., & ANDERSON, W. A. D. (1961) Laboratory Investigations 10:301-314, (Also in: Deichmann, W. B., et al. (1959), Section in: Microwave Radiation Research), "The effect of microwave radiation on morphology and function of rat testes"

554. GUNTER, R., et al. (1958) Arch. of Ophthalmology 60:437-442, "Some effects of diathermy currents on eye tissues"

555. GURYEV, V. N. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 20-21, "Some problems of the adjustment of people to SHF-UHF effects under industrial conditions"

556. GURYEV, V. N. (1965) Ekspertiza Trud i Trud Pri nerv i Psikhicheskikh Zabol. 18(18):121-127, (JPRS 36,164), "Diencephalic disorders in persons exposed to SHF-UHF electromagnetic fields for prolonged periods of time"

557. GUY, A. W. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):205-214, "Analyses of electromagnetic fields induced in biological tissues by thermographic studies on equivalent phantom models"

558. GUY, A. W. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):214-223, "Electromagnetic fields and relative heating patterns due to a rectangular aperture source in direct contact with bilayered biological tissue"

559. GUY, A. W., & LEHMANN, J. F. (1967) Digest of the 7th Internat. Conf. on Medical and Biological Engineering (Jacobson, B., ed.), Stockholm, p. 396 only, "Determination of electromagnetic heating patterns in human tissues by thermographic studies on phantom models"

560. GVOZDIKOVA, Z. M., ANAN'YEV, V. M., ZENINA, I. N., & ZAK, V. I. (1964) Biulleten Eksperimental'nov Biologii i Meditsiny, Moscow, 58(8):63-68, (Abstr. in The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, 1965; also abstr. in Biological Effects of Microwaves, ATD-P-65-68, 1965, pp. 45-47), (JPRS 26,725, TT 64-41982, Oct. 1964, pp. 31-, N64-32782), "Sensitivity of the rabbit central nervous system to a continuous (non-pulsed) ultrahigh frequency electromagnetic field"

561. GVOZDIKOVA, Z. M., ZENINA, I. N., & ZAK, V. I. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniy AMN SSSR, (2):20-25, (Abstr. in: The Biological Action of Radio Frequency Electromagnetic Fields, Moscow), "The effect of continuous SHF-UHF electromagnetic fields on the central nervous system"

562. HAASE, W., & SCHLIEPHAKE, E. (1931) Strahlentherapie 40:133-158, (In German), "Investigations concerning the influence of short electrical waves on the growth of bacteria"

563. HADUCH, S., BARANSKI, S., & CZERSKI, P. (1960) Lekarz Wojskowy (Army Surgeon), Poland, 36(2):119-125, (Transl. NASA-TT-F-8143), "Research into the influence of high frequency electromagnetic fields on the human body"; ibid., 36(8):792-803, (FTD-TT 61-379-1, AD 270774), "Biological effect of cm and dm electromagnetic waves"

564. HADUCH, S., BARANSKI, S., & CZERSKI, P. (1962) In: Human Problems of Supersonic and Hypersonic Flight, Barbour, A. B., & Whittingham, H. F., (eds.), Pergamon Press, pp. 449-454, "The influence of ultrahigh frequency radio waves on the human organism"

565. HAGGIS, G. H., BUCHANAN, T. J., & HASTED, J. B. (1951) Nature 167:607-608, "Estimation of protein hydration by dielectric measurements at microwave frequencies"

566. HALL, G. A., & SCHLEGEL, W. A. (1967) Arch. of Ophthalmology 78:521-, "Relative bursting strength of rabbit sclera after cryosurgery and diathermy"

567. HALL, W. W., & WAKEFIELD (1927) J. of the Amer. Medical Assoc. 89:177-182, "A study of experimental heat stroke"

568. HALPHEN, A., & AUCLAIR, J. (1933) Arch. of Physical Therapy 14:69-71, "A new form of D'Arsonvalization; the short waves"

569. HANDELSMAN, M. (1957) Proc. of Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.), 1:23-31, (Abstr. in: Naval Medical News Letter 30(11):36-, 1957, "Microwave radiation hazards"), (AF 115603, ARDC-TR-58-51), "Future microwave radiation hazards"

570. HENDLER, E., & HARDY, J. D. (1961) Federation Proceedings 20(Part 1):401-, "Microwave heating of the human skin" (See #613, this Biblio.)

571. HENDLER, E., & HARDY, J. D. (1961) Digest of 4th Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.), Plenum Press, New York, pp. 192-, "Heating of human skin by microwave radiation"

572. HANLON, J. J. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 116-121, "Cellular effects of microwave radiation"

573. HANNEMAN, G. D. (1967) Aerospace Med. :275-277, "Changes produced in urinary sodium, potassium, and calcium excretion in mice exposed to homogeneous electromagnetic stress"

574. HARDEMAN, L. J. (1970) Microwaves 9(2):p. 17 and p. 24 (Feb.), "Microwave oven leakage: Federal regulations soon"

575. HARDY, J. D. (1961) Report to ONR from Univ. of Penna., Moore School of Electrical Engineering, (4 pages), (AD 615472), "Physiological effects of heating the skin with microwave and infrared radiation: final report"

576. HARDY, J. D. (ed.) (1968) Thermal Problems in Aerospace Medicine, The Advisory Group for Aerospace Res. & Develop., NATO, Technivision Services, Maidenhead, England [including microwave radiation effects], (Abs. No. N69-25051)

577. HARDY, J. D., & MURGATROYD, D. (1958 or later) ref.?, "Responses of man to high intensity thermal radiation"

578. HARRISON, F. G. (1935) Arch. of Physical Therapy 16:393-397, "Electrosurgery in urology"

579. HARTE, C. (1949) Chromosoma 3(5):440-447, "Mutation activity through ultrashort waves"

580. HARTMAN, F. W. (1937) J. of the Amer. Medical Assoc. 109:2116-2121, "Lesions of the brain following fever therapy: etiology and pathogenesis"

581. HARTMAN, F. W. (1958) Proc. 2nd Tri-service Conf. on the Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:54-70, (AD 131477, ARDC-TR-58-54), "The pathology of hyperpyrexia"

582. HARTMAN, F. W. (1959) La presse medical 67:151-, (In French), "Biological effects of ultrashort electromagnetic radio waves"

583. HARTMUTH, Z. (1954) Zh. Naturforsch. 96:257-, (In German), "The electrical characteristics of biological substances at wavelengths of about 1/10 meter"

584. HARVEY, A. F. (1963) Microwave Engineering, Academic Press, New York

585. HAYWOOD, A. L. (1960) Wright Air Development Technical Rpt #60-501, (Oct. 1960), "Radar radiation hazards in the near field of aperture antennas"

586. HEALER, J. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 90-97, "Review of studies of people occupationally exposed to radio frequency radiation"

587. HEALER, J., & POLLACK, H. (1967) Allied Research Assoc., Inc. (Concord, Mass.), Final Report No. ARA 348-1, "Review of information on hazards to personnel from high frequency electromagnetic radiation"

588. HEALER, J., & SMILEY, R. (1967) Allied Research Assoc., Inc. (Concord, Mass.), Rept. No. ARA 319-3-1 (38 pages), "Bibliography on biological effects of microwave radiation - a sampling of the world literature"

589. HEALER J., & SMILEY, R. (1968) Allied Research Assoc., Inc. (Concord, Mass.), Rept. No. ARA 376-1, "Some biological effects of radio-frequency radiation"

590. HEALER, J., & SMILEY, R. (1969) Allied Research Assoc., Inc. (Concord, Mass.), Summary Rept. No. ARA 9G61F, in three volumes, (AD 704712), "Bibliography on biological effects of radio-frequency electromagnetic fields"

591. HEARN, G. E. (1965) Thesis, Baylor Univ., 77 pages; and HEARN, G. E., & THOMPSON, W. D. (1968), In preparation (?), "Effects of UHF radio fields on visual acuity and critical flicker fusion in the Albino rat"

592. HEARON, J. Z. (1964) (Part of Ely and Goldman's (1964) report entitled "Heating characteristics of laboratory animals exposed to 10 cm microwaves"), IEEE Trans. on Biomedical Engineering , BME-11(4):135-137, "Some mathematical considerations"

593. HEDENIUS, P., ODEBLAD, E., & WAHLSTROM, L. (1966) Current Therapy Research 8:317-321, "Some preliminary investigations on the therapeutic effect of pulsed short waves in intermittent claudication"

594. HEDVIG, P., & ZENTAI, G. (1969) The Chemical Rubber Pub. Co., Cleveland, Ohio (Transl. from Hungarian), 462 pages, Microwave Study of Chemical Structures and Reactions

595. HEIMER, G. (1966) Unpublished Report (Naval Ship Engineering Center, Washington, D. C.), "Navy radio frequency radiation hazards program"

596. HEIMER, G. M. (1967) (Classified) "Report of shipboard (USS DECATUR (DDG-31)) electromagnetic radiation hazard measurements" (U)

597. HEIMER, G. M. (1970) Fathom (Surface Ship & Submarine Safety Review); U. S. Navy Safety Center, pp. 58-60, (Winter Issue), "Shipboard RF burn hazards"

598. HEIMER, G., & HEASTY, D. (1969) Naval Ship Engineering Center, Washington, D. C., "Report of RF burn investigation (on the) USS WICHITA (AOR-1)"

599. HEIMER, G., & HOWARD, K. (1961) Safety Review 18(4):11-, "Navy radio frequency radiation hazards program"

600. HEINLE, R., & PHELPS, R. (1933) Amer. J. of Physiology 104:349-, "The effects of short radio-waves on perfused cats hearts"

601. HEINMETS, F., & HERSHMAN, A. (1961) Physical Med. and Biology 5:271-, "Consideration of the effects produced by superimposed electric and magnetic fields in biological systems and electrolytes"

602. HELLER, J. H. (1959) Proc. of the 12th Annual Conf. on Electrical Techniques in Med. and Biology, Digest of Tech. Papers, (Lewis Winner, pub., New York, Nov.), p. 56 only, "The effect of electromagnetic fields on uni-cellular organisms"

603. HELLER, J. H. (1959) Radio Electronics (6):6-, "Effect of high-frequency electromagnetic fields on micro-organisms"

604. HELLER, J. H. (1963) U. S. Pat. 3,095,359, "High-frequency treatment of biological matter"

605. HELLER, J. H. (1969) Presented at the Hazards and Utility of Microwaves and Radiowaves Seminar, (Heller, J., Chm.), 11-12 Dec., Boston, "Chairman's remarks"; "Areas of national and industrial concern - noxious and beneficial"; and "Future research requirements"

606. HELLER, J. H. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 116-121, "Cellular effects of microwave radiation"

607. HELLER, J. H., & MICKEY, G. H. (1961) Digest of the 4th Internat. Conf. on Medical Electronics (July), p. 152 only, "Non-thermal effects of radio frequency in biological systems"

608. HELLER, J. H., & TEIXEIRA-PINTO, A. A. (1958) Reticulo-Endothelial System Bulletin 4:10-11, "Futher investigation into radio frequency effects which appear to be active on the reticulo-endothelial system in whole-body irradiations"

609. HELLER, J. H., & TEIXEIRA-PINTO, A. A. (1959) Nature 183(4665):905-906, "A new physical method of creating chromosomal aberrations"

610. HENDLER, E. (1959) Proc. of the 12th Annual Conf. on Electrical Techniques in Med. and Biology, Digest of Tech. Papers, (Lewis Winner, pub., New York, 10-12 Nov.), p. 37 only, "Some observations regarding temperature sensations due to microwave irradiation"

611. HENDLER, E. (1968) In: Thermal Problems in Aerospace Medicine, (Hardy, J. D., ed.), The Advisory Group for Aerospace Research & Development, NATO, Maidenhead, England, p. 149-161, "Cutaneous receptor response to microwave irradiation"

612. HENDLER, E., & HARDY, J. D. (1960) Institute of Radio Engineers 7(3):143-152, (Presented at 12th Annual Conf. on Electrical Techniques in Med. and Biology, Nov. 1957, Philadelphia, Pa.), "Infrared and microwave effects on skin heating and temperature sensation"

613. HENDLER, E., & HARDY, J. D. (1961) See citation Nos. 570 & 571; incorrectly listed under HANDLER

614. HENDLER, E., HARDY, J. D., & MURGATROYD, D. (1963) In: Temperature - Its Measurement and Control in Science and Industry, 3, Part 3, Chapt. 21, Reinhold Pub. Co., New York, p. 211-230, "Skin heating and temperature sensation produced by infrared and microwave irradiation"

615. HENRY, G. C., TARSY, M., HALL, A. R., WATTS, H. M., & CAMPELLONE, R. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 66-69, "Studies of biological hazards from high-power HF band transmitters"

616. HENRIQUES, F. C., JR. (1947) Arch. of Pathology 43:489-502, "Studies of thermal injury: V. The predictability and the significance of thermally-induced rate processes leading to irreversible epidermal injury"

617. HERRICK, J. F. (1952) Presented at Institute of Radio Engineers National Convention, New York, "Application of microwaves in physical medicine"

618. HERRICK, J. (1958) Proc. 2nd Tri-service Conf. on the Biological Effects of Microwave Energy (Pattishall, E.G., & Banghart, F. W., eds.) 2:88-96, (Also, Digest of Technical Papers, 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), (1959), Lewis Winner, Pub., New York, p. 60 only), "Pearl chain formation"

619. HERRICK, J. F., JELATIS, D. G., & LEE, G. M. (1950) Federation Proceedings 9:60-, "Dielectric properties of tissues important in microwave diathermy"

620. HERRICK, J. F., & KRUSEN, F. H. (1952) Paper presented at Amer. Institute of Electrical Engineers Summer Meeting, Minneapolis, Minn., June, (Also, Electrical Engineering 72:239-244, (1953)), "Certain physiologic and pathologic effects of microwaves"

621. HERRICK, J. F., & KRUSEN, F. H. (1956) Institute of Radio Engineers Trans. on Medical Electronics, PGME-4:10-12 (and Symposium on Physiologic and Pathologic Effects of Microwaves (Krusen, F. H., Chm.), Mayo Clinic, Sept. 1955) "Problems which are challenging investigators in medicine"

622. HERRICK, J. F., MARTIN, G., KRUSEN, F., & WAKIM, K. (1950) Medical Physics _:2 (Vol. or p.?), "Physical medicine: microwave diathermy"

623. HETHERINGTON, A. (1957) Proc. of 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1:1-4, "Introduction to biological effects of microwave radiation conference"

624. HIGASI, K. (1950) Monograph Series of the Research Institute of Applied Electricity, Hokkaido Univ., Sapporo, Japan, 1:7-19, "Physical principles of ultra-short wave therapy and other high frequency applications" (In Polish), (A68-80352),

625. HIGIER, J., & KARANSKA, W. (1967) Wiadomosci Lekarskie 20:1435-1438, "Examinations of the genital organs and studies of the menstrual cycle in women working in the field of microwave radiation"

626. HILL, T. (1958) J. of the Amer. Chemical Society _(8):2142-, "Some possible biological effects of an electric field acting on nucleic acids or proteins"

627. HINES, H. M. (1958?)State Univ. of Iowa, College of Medicine (AF Rept. 41(657)-113), "Effects of 3, 10, and 12 cm radiation upon the avascular hollow viscera of dogs"

628. HINES, H. M., IMIG, C. J., & THOMASON, J. D. (1948) Proc. of the Society of Experimental Biology and Medicine 69:382-386, "Testicular degeneration as a result of microwave radiation"

629. HIRSCH, F. G. (1952) NASE Conf. on Industrial Health, Cincinnati, Ohio, April, "Microwave cataracts"

630. HIRSCH, F. G. (1956) Institute of Radio Engineers Trans. on Medical Electronics, PGME-4:22-24 (and Symposium on Physiologic and Pathologic Effects of Microwaves, (Krusen, F. H., Chm.), Mayo Clinic, Sept. 1955), "The use of biological simulants in estimating the dose of microwave energy"

631. HIRSCH, F. G. (1970) Paper presented at 4th Annual Midyear Topical Symposium, Health Physics Soc., Electronic Product Radiation and the Health Physicist, Louisville, Ky., 28-30 Jan.; Bureau of Radiation Health, Div. of Electronic Products Report No. 70-26, pp. 111-140, "Microwave cataracts"

632. HO, H. S., GUY, A. W., SIGELMANN, R. A., & LEHMANN, J. F. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Efferts of Microwaves) MTT-19(2):224-231, "Microwave heating of simulated human limbs by aperture sources"

633. HODGE, D. M. (ed.)(1968) Report of U. S. Dept. of Health, Education, and Welfare, Public Health Service, Consumer Protection and Environmental Health Service, Environmental Control Admin., Bureau of Radiological Health, Rockville, Md., Summary Report Jan. - Dec., "Radiation bio-effects"

634. HOEFT, L. O. (1965) Aerospace Medicine 36(7):621-622, (AMRL TR-64-127, AD 624036), "Microwave heating, a study of the critical exposure variables for man and experimental animals"

635. HOLZER, W. (1934) (In German, with English Summary) Abstracts of the 1st Internat. Congress of Electro-Radio-Biology, (Capelli, L., ed., Bologna, Italy), pp. 367-368, "A spatial model for the thermic effects of electrical vibrations in therapy"

636. HOPKINS, A. L. (1960) Annals of the New York Academy of Science 85 (vol?, page?), "Radio frequency spectroscopy of frozen biological material: dielectric heating and the study of bound water"

637. HORN, G. (1965) Automaz. Automat. 9:5-, (In Italian) "The passive electrical characteristics of biological systems"

638. HORNOWSKI, J. (1965) Polski Tygodnik Lekarski (Warsaw) 20:1906-1907, "Case of skin burns by microwaves"

639. HORNOWSKI, J., MARKS, E., & CHMUREO, E. (1966) Medycyna Pracy 17:213-217, "Studies on the pathogenic effect of microwaves in men"

640. HORTEN, E. (1947) Klinische Wochenschrift 24-25(25/26):392-396, (In German), "The effect of electromagnetic short wave exposure of the midbrain on the vegetative functions of man"

641. HORVATH, S. M., MILLER, R. N., & HUTT, B. K. (1948) Amer. J. of Medical Sciences 216:430-436, "Heating of human tissues by microwave radiation"

642. HORVATH, S. M., MILLER, R. N., & HUTT, B. K. (1948) Federation Proceedings 7:58 only, "Heating of human muscle tissue by microwaves"

643. HOSHIKO, M. S. (1970) Proc. 3rd Annual National Conf. of the Neuro-Electric Society, "The nervous system and electric currents", (Wulfsohn, N. L., & Sances, A., Jr., eds.), (23-25 Mar., Las Vegas, Plenum Press, New York), pp. 85-93, "Electrostimulation of hearing" [RF]

644. HOWLAND, J. W., & MICHAELSON, S. M. (1959) Digest of Technical Papers, Proc. 12th Annual Conf. on Electrical Techniques in Medicine and Biology, 10-12 Nov., (Winner, L., Pub.), New York, p. 40 only, "Biological effects of pulsed electromagnetic (2880 Mc) irradiation"

645. HOWLAND, J. W., & MICHAELSON, S. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.), 3:191-238, (RADC-TN-59-99, AD 212110), "Studies on the biological effects of microwave irradiation of the dog and rabbit"

646. HOWLAND, J. W., & MICHAELSON, S. (1964) Industrial Med. and Surgery 33:500-, "The effect of microwave on the biological response to ionizing radiation"

647. HOWLAND, J. W., MICHAELSON, S. M., THOMSON, R. A. E., & MERMAGEN, H. (1962) Rept., Univ. of Rochester, RADC-TDR-62-102, (AD 274338), "The effects of microwaves on the response to ionizing radiation"

648. HOWLAND, J. W., THOMSON, R. A. E., & MICHAELSON, S. M. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.) pp. 261-284, "Biomedical aspects of microwave irradiation of mammals"

649. HUBNER, ? (1950) Munchener Medizinische Wochenschrift 92(37/38):1546 only, (In German), "Bedside ultrashort wave treatment"

650. HULL, A., TIZARD, H., & LEDEN U. (1947) British J. of Physical Med. 10:177-184, "Preliminary studies on the healing and circulatory effects of microwaves (radar)"

651. HUNT, A. G. (1969) Non-ionizing Rad. 1(3):105-112, "Non-ionizing radiation: physical relationship between typical sources and human targets"

652. HUTT, B., MOORE, J., COLONNA, P., & HORVATH, S. (1952) Amer. J. of Physical Med. 31:422-428, "Influence of microwave irradiation on body temperature in dog and man"

653. HUTTON, C. C. (1962) Secret Report, AD 332918, "Biological effects of microwaves; an ASTIA report bibliography"

654. HUZL, F., KLIMKOVA-DEUTSCHOVA, E., JANKOVA, J., MAINEROVA, J., SALCMANOVA, Z., SCHWARTZOVA, K., SUCHANOVA, L., & SYKORA, J. (1966) Pracovni Lekarstvi, Prague, 18(3):100-108, (ATD Abstr. A66-81307), "Examination of workers in the West Bohemia Region exposed to electromagnetic waves one meter and longer"

655. HYDE, A. S., & FRIEDMAN, J. J. (1968) In: Thermal Problems in Aerospace Medicine, (Hardy, J. D., ed.), The Advisory Group for Aerospace Research & Development, NATO, Technivision Services, Maidenhead, England, pp. 163-175, "Some effects of acute and chronic microwave irradiation of mice" (Abstr. A69-20678),

656. IAKOVLEVA, M. I. (1968) Biulleten Eksperimental'noy Biologii Meditsiny 66(9):9-11, (In Russian with English summary), "The study of efferent impulsation in post-ganglionic sympathetic fibers under the influence of a super-high frequency electromagnetic field" (Also cited as #1822, this Bibliography, as YAKOVLEVA)

657. IAKOVLEVA, M. I. (1968) Zh. Evoliutsionnoi Biokhimii i Fiziologii (Akademiia Nauk SSSR), Moscow, 4(5):437-442, (In Russian with English summary), "The effect of ultrahigh frequency electromagnetic fields on regulation of the heart rate and respiration in birds"

658. IAKOVLEVA, M. I., SHLIAPER, T. P., & TSVETKOVA, I. P. (1968) Vysshei Nervnoi Deyatel'nosti imeni i p Pavlova, USSR. 18(6):973-978, (In Russian with English abstract), "On conditioned cardiac reflexes and the functional and morphological state of the cortical neurons under the action of electromagnetic fields of superhig.. frequencies" (Also cited as #1824)

659. IATSENKO, M. I. (1966) Fiziologicheskii Zh. (Kiev) 12:377-381, "Effect of microwaves on the absorptive capacity of the knee joint under the effect of atropine and carbocholine" (Also cited as #1831, this Bibliography, as YATSENKO)

660. IATSENKO, M. I. (1966) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Science, Physiotherapy, and Medical Physical Culture), Moscow, 31:446-448, "The absorption capacity of the knee joint following severance of the femeral and sciatic nerves, and under the effect of microwaves"

661. IBERALL, A. S. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.), 3:136-160, "Human body as an inconstant heat source and its relation to clothes insulation: 1. Descriptive models of heat source, 2. Experimental investigation into the dynamics of the source"

662. IL'IN, B. I., & KOROLEV, V. G. (1964) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Science, Physiotherapy, and Medical Physical Culture), Moscow, 29(2):172-, (JPRS 25121, pp. 20-21; OTS-64-31500), "Treatment of pedal hyperhydrosis with a UHF field"

663. ILLINGER, K. H. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 112-115, "Molecular mechanisms for microwave absorption in biological systems"

664. IMIG, C. J., & SEARLE, G. W. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:242-253, "Review of the work conducted at State Univ. of Iowa"

665. IMIG, C. J., & SEARLE, G. W. (1959) In: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, held at Patrick Air Force Base, Florida, 14-15 Jan. (RADC-TR-59-67, Proj. 5545, pp. 3-5; AD #214693), "Report from State Univ. of Iowa, Dept. of Physiology"

666. IMIG, C. J., & SEARLE, G. W. (1962) Report, RADC TDR-62-358, AD 287160, 188 pages, "Review of work conducted at State Univ. of Iowa"; "Studies on organisms exposed to 2450 mc cw microwave irradiation"

667. IMIG, C. J., THOMSON, J. D., & HINES, H. M. (1948) Proc. of the Society for Experimental Biology and Medicine 69(2): 382-386, "Testicular degeneration as a result of microwave irradiation"

668. INGALLS, C. E. (1966) Report from Interference Consultants, Inc. (Preprint of paper, New York J. of Med. 67:2992-2997 (1967)), "The sensation of hearing in electromagnetic fields"

669. INMAN, R. A. (1970) NASA, Marshall Space Flight Center, Huntsville, Ala., (N70-33065, NASA-TM-X-64523), "RF radiation hazards to space station personnel"

670. IRISOVA, N. A. (1968) Vestnik Akademiia Nauk SSSR (10):63-71, (In Russian), "Experimental techniques of submillimeter wave measurements"

671. ISMAILOV, E. SH. (1966) Vestnik Leningradskogo Universiteta Seriia Biologiia 2(9):147-149, "Effect of microwaves on Opalina ranarum"

672. IVANOV, A. I. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad. pp. 24-26, "Changes of phagocytic activity and mobility of neutrophils under the influence of microwave fields"

673. IVANOV, V. I., et al. (1957) In: Summaries of reports, Part 2, Jubilee Scientific Session of the Institute of Labor Hygiene and Occupational Diseases. Dedicated to the 40th Anniv. of the Great October Socialistic Revolution, Moscow, pp. 52-53, "Biochemical changes in the blood under the chronic influence of radiation"

674. IWAI, Y. (1965) Editor, Digest of the 6th Internat. Conf. on Medical Electronics and Biological Engineering, (Tokyo, 22-27 Aug.) (Chairman of Program and Publication of the Organizing Committee), Okumura Printing Co., Tokyo

675. IZAR, G., & MORETTI, P. (1933) Riforma Medica 49:1611-, (In Italian), "On the biological action of short electromagnetic waves; Note 7. Action on enzymes"

676. JACKSON, A. S. (1935) Arch. of Physical Therapy 16:342-344, "Physical therapy in general surgery"

677. JACKSON, W. (1946) Trans. of the Faraday Society 42A:91-, "The representation of dielectric properties and the principles underlying their measurements at centimeter wavelengths"

678. JACOBSON, B. (1967) Editor, Organizing Committee for the 7th Internat. Conf. on Medical and Biological Engineering, Stockholm, 14-19 Aug.

679. JACOBSON, B. S., PRAUSNITZ, S. B., & SUSSKIND, C. (1959) Institute of Radio Engineers Trans. on Medical Electronics :p.?, "Investigation of thermal balance in mammals by means of microwave radiation"

680. JACOBSON, B. S., & SUSSKIND, C. E. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:234-241, "Review of the work conducted at Univ. of California; Effects of microwave irradiation on internal temperature and viability in mice"

681. JACOBSEN, V. ..., & HOSOI, K. (1931) Arch. of Pathology 11:744-759, "Morphological changes in animal tissues due to heating by UHF oscillators"

682. JANES, D. E., LEACH, W. M., MILLS, W. A., MOORE, R. T., & SHORE, M. L. (1968) Radiation Bio-Effects, (Hodge, D. M., ed.), Report, U. S. Dept. of Health, Education and Welfare, Bureau of Radiological Health, pp. 89-93, "Effects of microwave radiation on Chinese hamsters"

683. JASKI, T. (1960) Radio Electronics 9:43-45, "Radio waves and life"

684. JASKI, T., & SUSSKIND, C. (1961) Science 133(3451):443-447, "Electromagnetic radiation as a tool in the Life Sciences"

685. JOHNSON, W., KINDSVATTER, V. H., & SHAW, C. C. (1959) U. S. Armed Forces Medical J. 10(5):513-523, "Radiation hazards aboard a guided missile cruiser"

686. JOLY, R. (1968) International Electronique 23:9-17, "VHF electromagnetic radiation hazards from radar antennas"

687. JOLY, R. (1969) In: Association Pour le Developpement des Sciences et Techniques de L'environment. French Conf. on Environmental Studies Ecole Nationale Superieure de L'Aeronautique, Paris, France, Proc. 31 March to 1 April, "The electromagnetic environment, biological effects, and possible danger of radar antenna radiation"

688. JONAS, H. (1941) Thesis (B.S.), Univ. of California (Berkeley), (Dissertation Abstr.), 148 pages, "Some Effects of Very Hig. Radio Frequency Irradiation on the Germination and Metabolism of Certain Small Seeds"

689. JONES, I. A. (1966) Thesis, Baylor Univ., Texas, "Human Detection of UHF Energy"

690. JUNG, R. W. (1935) Arch. of Physical Therapy 16:397-404, "Immunologic studies in hyperpyrexia"

691. JUSTESEN, D. R., & KING, N. W. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 154-179, "Behavioral effects of low level microwave irradiation in the closed-space situation"

692. JUSTESEN, D. R., PENDLETON, R. B., & PORTER, P. B. (1961) Psychological Reports 9:99-102, "Effects of hyperthermia on activity and learning"

693. KACHKOVSKII, M. A. (1952) (In Russian), Eksperimental'nye i Klinicheskie issledovaniia, Leningrad, Respublikanskii nauchno-issledovatel'skii kozhno-venerologicheskii institut 9:78-84, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Reactivity of skin blood vessels and its variation under the influence of UdF fields"

694. KADO, R. T., & ADAI, W. R. (1965) Digest of 6th Internat. Conf. on Medical Electronics and Biological Engineering (Iwai, Y., ed.), pp. 551-552, "Method for the measurement of impedance changes in brain tissue"

695. KALANT, H. (1959) Canadian Medical Assoc. J. 81:575-582, "Physiological hazard of microwave radiation: A survey of published literature"

696. KALL, A. R., & WATTS, H. M. (1968) Ark Electronics Corp., Willow Grove, Pa., Report to U. S. Information Agency, 180 pages, "Final technical report on research projects to study radiation hazards caused by high power, high frequency fields"

697. KALYADA, T. V. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "Physical hygienic characteristic of microwave radiation conditions in mooring tests"

698. KALYADA, T. V. (1964) In: Proc. Scientific Session Devoted to the 40th Anniv. of the Scientific Research Institute, Labor Hygiene and Occupational Diseases, Leningrad, (Abstr. No. 14P162 in JPRS 34,588), pp. 66-67, "Temperature sensitivity and functional mobility of thermoreceptors under the effect of ultrahigh frequency radiation"

699. KALYADA, U. V., KULIKOVSKAYA, YE. L., & OSIPOV, YE. A. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, p. 35 only, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), "Physiological shifts in work with high frequency electromagnetic fields"

700. KAMAT, G. P. (1968) Radiation Bio-Effects Report (Hodge, D. M., ed.), U. S. Dept. of Health, Education, and Welfare, Bureau of Radiological Health, p. 98-99, "Effect of X-ray radiation and microwave radiation in vitro and in vivo on human and rat gamma globulins"

701. KAMAT, G. P., & JANES, D. E. (1969) (Compilers), Unpublished report of Bureau of Radiological Health, U. S. Dept. of Health, Education, and Welfare, "Effect of radio-frequency energy on biological macromolecules"

702. KAMAT, G. P., & JANES, D. E. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 104-111, "Studies of the effects of 2450 MHz microwaves on human immunoglobulin G"

703. KAMENSKIY, YU. I. (1964) Biofizika 9(6):695-700, (In Russian), (Biophysics 9:758-764, in English), (Also ATD-T-65-39, 1965; (AD 465383); (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, pp. 47-52, 1965), "The influence of microwaves on the functional condition of the nerve" (Transl. by DODGE, C.H., citation #314)

704. KAMENSKIY, YU. I. (1968) Trans. Moscow Society of Naturalists 28:164-172, "Effect of microwaves on the kinetics of electric parameters of a nerve impulse"

705. KAPELOVICH, YU. YA. (1942) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 3(4):55-56, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "The effect of UdF on heart excitability"

706. KAPITANENKO, A. M. (1964) Voyenno-meditsinskiy Zh. _(10):19-23, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, p. 10 only, Sept. 1964, "Clinical and therapeutical aspects of UHF"), "Clinical manifestations and therapeutic measures during chronic exposure to UHF"

707. KAPLAN, I. T., METLAY, W., ZARET, M. M., BIRENBAUM, L., & ROSENTHAL, S. W. (1969) Final Report #19 to Advanced Research Projects Agency (ARPA), Dept. of Defense, 30 Nov., "Absence of heart rate effects in rabbits during low-level microwave irradiation"

708. KARDASHEV, V. L., & GERSAMIYA, K. G. (1968) Doklady Akademii Sci. Nauk USSR, 180(3):730-733, "Some new data on the biological effects of microwaves"

709. KARELIN, O. N., & MISHINA, I. M. (1966) Gigiyena i sanitariya _(5):46-51, (JPRS 36,461), "Some protective measures for medical personnel and patients during the operation of SHF physiotherapy apparatus"

710. KARIMDZHANOV, A. (1959) Med. Zh. Uzbekistana _(7):32 only, "The effect of UHF field and diathermy on the permeability of blood capillaries"

711. KAY, C., & SCHWAN, H. (1957) Circulation 5:439-, "Capacitive properties of body tissues"

712. KAZHINSKIY, B. B. (1962) Kiyev, (Ref.?) "Biological effects of radio communication"

713. KEKCHEEV, K. KH. (1941) Problemy Fiziologicheskoi Optiki (Akademiia Nauk SSSR), _(1):77 only, (SAM-TT-R-880-0367, N67-39546, AD 653949), "Determination of achromatic visual thresholds in man following exposure to ultrashort, ultraviolet, and roentgen waves"

714. KEKCHEYEV, K. KH., ANISIMOV, A. I., & DIDENKO, N. YE. (1941) Fizioterapiya (2,3,4):44-, "Change of sensitivity of the visual brain centers under the action of SHF and UHF electric fields"

715. KELLY, M. (1962) Research Report #63-27, Univ. of California, Berkeley, "Electromagnetic effects on the nervous system"

716. KEMP, C. R., PAUL, W. D., & HINES, H. M. (1948) Arch. of Physical Med. 29:12-17, "Studies concerning effect of deep tissue heat on blood flow"

717. KEPLINGER, M. L. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Benghart, F. W., eds.) 2:215-233, (ARDC-TR-58-54, AD 131477), "Review of the work conducted at Univ. of Miami" [Describes the orientation of rats in a waveguide at 24500 MHz]

718. KEPLINGER, M. L., & BERNAL, E. (1959) Industrial Med. and Surgery 28:212-218, "Relation of interrupted pulsed microwaves to biological hazards"

719. KEPLINGER, M. L., & LAMPE, K. F. (1959) J. of Occupational Med. _(1):369-381, "Acute effects of microwave radiation on experimental animals (24,000 megacycles)"

720. KERELUK, K., LLOYD, R. S., & DALEY, D. (1970) Presented before the New York Academy of Sciences, Nov. 1970, at the Symposium on "Effect of Controlled Electromagnetic[Microwave] Energy on Biological Systems", 16 pages, "Microbiological aspects of electromagnetic energy in combination with other physical factors"

721. KEROVA, N. I. (1964) Akademiya nauk Ukrainskoy SSR. Institut fiziologii. Biologicheskoye deystviye ul'trazvuka i sverkhvyso-kochastotnykh elektromagnitnykh kolebaniy (Biological Effect of Ultrasound and Superhigh Electromagnetic Oscillations), Gorodetskiy, A. A. (ed.), Kiev, Naukova dumka, pp. 108-118, (JPRS 30860, N65-28708), (Abstr. in Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-58, 1965, pp. 54-56, "Effect of SHF on polynuclease activity and nucleic acid content"), "The influence of SHF on polynuclease activity and the content of nucleic acid"

722. KEVORK'IAN, A. (1948) Institute of Work Hygiene of Professional Diseases, Academy of Medical Sciences USSR, (Moscow); (Transl. OTS 59-21098); Gigiyena i sanitariya _(4):26-30; (abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, Sept. 1965, pp. 2-3, "Industrial hygiene aspects of pulse UHF"; and abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Report P-65-17, Apr. 1965), "Work with UHF pulse generators from the point of view of industrial hygiene"

723. KHARCHENKO, N. S. (1939) Sbornik statei. Instytut fiziologii. Universitet. Dnepropetrovsk. _(2):77-81, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt.P-65-17, Apr. 1965), "The biological effect of HF and VHF fields on the higher nervous system of birds"

724. KHAZAN, G. L., & GONCHAROVA, N. N. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, p. 53 only, "The experimental effects of fields of different frequencies and different components of an electromagnetic field on the animal organism"

725. KHAZAN, G. L., GONCHAROVA, N. N., & PETROVSKIY, V. S. (1958) Gigiyena truda i Professional'nykh Zabolevaniya 2(1):9-16, (JPRS L-1474D, TT-59-11443), (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, Sept 1965, pp. 5-6, "Industrial hygiene aspects of high frequency currents"; also abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, 1965), "Some problems of industrial hygiene in working with high frequency currents"

726. KHAZAN, G. L., PISKUNOVA, V. G., & ANATOVSKAYA, V. S. (1957) Theses of reports to the Jubilee Session of the Institute of Labor Hygiene and Occupational Diseases, Academy of Medical Science, USSR, Dedicated to the 40th Anniv. of the Great October Socialist Revolution, Part 2, Moscow, pp. 62-70, "Problems of labor hygiene and the state of health of workers with high frequency currents"

727. KHAZAN, G. L., PISKUNOVA, V. G., & ANATOVSKAYA, V. S. (1960) In: Physical Factors of the Environment, Letavet, A. A., (ed.), pp. 152-161, "Problems of labor hygiene and occupational pathology during work with high frequency equipment"

728. KHAZEN, I. M. (1940) Nauchno-issledovatel'skiy klinicheskiy institut. Trudy, Moscow oblast'. 4:25-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt. P-65-17, 1965) [Irradiation of nerve/muscle preparations with UHF radiation]

729. KHLYSTOVA, I. P. (1962) Voprosy Okhrany Materinskaya i Detstva 7(3):47-52, (JPRS 13735, TT-62-24743), "The effect of an ultrahigh frequency electric field on the change of reactivity of children in treating sepsis in the newborn"

730. KHOLODOV, YU. A. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, p. 58 only, Title?

731. KHOLODOV, YU. A. (1962) Materials of the All Union Sci. Conf. on Exp. Physiology, Moscow, pp. 399-402, "The role of distant receptors in the electrical reaction of cerebral cortex in a rabbit exposed to HF-VHF fields"

732. KHOLODOV, YU. A. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, p. 58 only, "The effect of a pulsed SHF-UHF field on the electrical activity of the cortex of a normal and an isolated rabbit brain"

733. KHOLODOV, YU. A. (1962) Priroda, USSR, _(4):104-105, (JPRS 26990, FTD-TT-62-1107-1, AD 284123, and Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, 1965), "The effect of an electromagnetic field on the central nervous system"

734. KHOLODOV, YU. A. (1963) 20th Conf. on the Problems of High Nervous Activity, Moscow, Leningrad, AN SSSR, pp. 253-, "Certain features of the physiological effect of electromagnetic fields as evidenced by the conditioned reflex and EEG methods"

735. KHOLODOV, YU. A. (1963) In: Nervous Mechanisms of Conditioned-Reflex Activity, Izdatel'stvo Akad. Nauk, Moscow, pp. 287-, "The role of the main divisions of the brain of fish in the elaboration of electric defense conditioned reflexes to different stimuli"

736. KHOLODOV, YU. A. (1963) Electrophysiology of the Nervous System, Rostov-on-Don, pp. 418-, "The effect of an electromagnetic field on the EEG of an isolated rabbit brain"

737. KHOLODOV, YU. A. (1963) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva), 56(9):42-46, (Bulletin of Experimental Biology and Medicine 56:969-972, (1963) in English), "Changes in the electrical activity of the rabbit cerebral cortex during exposure to a UHF-HF electromagnetic field: Part 2: The direct action of the UHF-HF field on the central nervous system" (See Kholodov & Yanson (1962) for Part 1).

738. KHOLODOV, YU. A. (1964) In: Biological Effects of Magnetic Fields, Barnothy, M. F. (ed.), Vol. 1, Plenum Press, New York, Chapt. 10, pp. 196-200, (also, Priroda 4:104-105, (1962); abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD-P-65-68, 1965, pp. 76-77, "Review of the effect of EMF's on the central nervous system", also JPRS 26990; FTD-TT-62-1107-1; AD 284123), "Effects of electromagnetic fields on the central nervous system"

739. KHOLODOV, YU. A. (1964) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 57(2):98-102, (N64-18972, JPRS 24301); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt. P-65-17, 1965; also abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, 1965, pp. 42-44, "Effect of UHF on brain bioelectricity"), "The influence of a VHF-HF electromagnetic field on the electrical activity of an isolated strip of cerebral cortex"

740. KHOLODOV, YU. A. (1965) In: Bionika, Gaaze-Rapoport, M. G., & Yakobi, V. E. (eds.), Nauka Publ. House, Moscow, (N66-24170, JPRS 35125, TT-66-31562), pp. 278-289, "A magnetic field as a stimulus"

741. KHOLODOV, YU. A. (1966) (In Russian) Acad. Sciences, USSR, Inst. of Higher Nervous Activity & Neurophysiology, Nauka Izdatel'stvo, Moscow, 283 pages, (Full Transl. NASA TT-F-465, June 1967,; Partial Transl. JPRS 37,102, No6-35763, TT-66-33535), The Influence of Electromagnetic and Magnetic Fields on the Central Nervous System

742. KHOLODOV, YU. A., & AKHMEDOV, K. B. (1962) Biologiya Belogo Morya. Tr Belomorskoy Biostantsii MGU, Moscow, Izdatel'stvo MGU, _(1):256-, "The effect of certain physical factors on the sensitivity of fish to a constant electric current"

743. KHOLODOV, YU. A., LUKYANOVA, S. N., & CHIZHENKOVA, R. A. (1967) In: Current Problems in Electrophysiology of the CNS, Moscow, pp. 273-380, "Electrophysiological analysis of CNS reaction to electromagnetic fields"

744. KHOLODOV, YU. A., & NOVITSKIY, YU. I. (1966) Vestnik Akad. Nauk SSSR, _(12):87-89, (ATD FSB 3(3), p.? 1967), "Biological effects of magnetic fields"

745. KHOLODOV, YU. A., & VEREVKINA, G. L. (1962) Biologiya Belogo Morya. Tr Belomorskoy Biostantsii MGU, Moscow, Izdatel'stvo MGU, _(1):248-, "The effect of a constant magnetic field on conditioned reflexes saltwater fish"

746. KHOLODOV, YU. A., & YANSON, Z. A. (1962) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva), 54(11):8-12, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD-P-65-17, 1965; also abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD-P-65-68, 1965, pp. 41-42, "Effect of UHF on the brain bioelectricity of intact rabbits"), "Changes in the electrical activity of rabbits cerebral cortex resulting from exposure to a VHF-HF electromagnetic field. Part 1, The effect of a VHF-HF field on the electroencephalogram of intact rabbits"

747. KHOLODOV, YU. A., & ZENINA, I. N. (1964) Trudy Nii Gigyena Truda i ProfzabolevaniyaAkm SSSR, _(2):33-38, "The effect of caffeine on EEG reaction during the action of pulsed SHF-UHF field on the intact and isolated brain of a rabbit"

748. KHOLODOV, YU. A., & ZHUKOVSKIY, V. D. (1967) Pervyy moditsinskiy institut, Moscow, Trudy, 50:300-307, (Diagnosis and treatment of tumors), (Abstr. in ATD 68-105-108-9, Soviet Radiobiology, June 1968, pp. 76-77; AD 671436), "Effect of magnetic fields on development of neoplasms"

749. KHVEDELIDZE, M. A., DUMBADZE, S. I., & SURGULADZE, T. D. (1965) In: Bionika (Bionics), USSR, Gaaze-Rapoport, M.G., & Yakobi, V. E., (eds.), Nauka Pub. House, Moscow, pp. 1-474, (JPRS 35,125), "On the bioelectromagnetic field"

750. KHVOLES, G. YA., BOGUTSKIY, B. V., & KONKO, A. P. (1962) Materials All Union Sci. Conf. Exp. Physiotherapy, Moscow, pp.?, "The effect of pulsed low frequency field on the blood pressure, respiration and electric brain processes"

751. KIEN, K. (1947) Arch. of Physical Med. 28:345-347, "Effect of the presence of metals in tissues subjected to diathermy treatment"

752. KIEPENHEUER, K. O., BRAUER, I., & HARTE, C. (1949) Naturwissenschaften 36:27-28, (In German) "Concerning the effect of meter waves on the growth of plants"

753. KING, D. D, (1965) Boston Tech. Pub., Cambridge, 327 pages, Measurements at Centimeter Wavelength

754. KING, G. R., HAMBURGER, A. C., FARSA, F., HELLER, S. J., & CARLETON, R. A. (1970) J. of the Amer. Medical Assoc. 212(7):1213 only, "Effect of microwave oven on implanted cardiac pacemaker"

755. KING, N. W. (1969) Dissertation Abstracts Internat., B, 30(6):2893B-2894B, "The effects of low level microwave irradiation upon reflexive, operant, and discrimination behaviors of the rat"

756. KING, N. W., JUSTESEN, D. R., & CLARKE, R. L. (1971) Science 172:398-401, "Behavioral sensitivity to microwave irradiation"

757. KINOSITA, H. (1963) J. of the Faculty of Science, Tokyo Univ., 4:137-, "Electrical stimulation of paramecium"

758. KINOSITA, H. (1964) J. of the Faculty of Science, Tokyo Univ., 7:1-, "Electrical potentials and ciliary response in Opalina"

759. KINOSHITA, J. H., (1966) Documenta Ophthalmologica, Netherlands, 20:91-103, "Biochemical changes in microwave cataracts" Merola, L.O., Dikmak, F., & Carpenter, R. L.

760. KIRCHEV, K. K. (1937) Moskovskaia oblastnaia klinika fizicheskikh metodov lecheniia. Trudy, Moscow, 3:217-, "Influence of UHF electrical fields (6.5 m) on the blood vessels of the isolated rabbit's heart"

761. KIRCHEV, K. K. (1937) Trudy III vses. siezda fizioterap., Kiev, pp. 245-, "On the problem of the influence of ultra short-waves on blood vessels in the rabbit"

762. KIRCHEV, K. K., et al. (EFTIMOV, _, & CHERNAEV, _) (1962) Proc. of the 5th Internat. Biochemical Congress, Section 14-28, "Biochemical changes in the muscles and blood of white rats due to microwaves"

763. KITSOVSKAYA, I. A. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "Changes in the higher nervous activity of rats exposed to chronic effects of radio frequency (centimeter) waves"

764. KITSOVSKAYA, I. A. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSR, _(1):75-80 (Also in: The Biological Action of Superhigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), (1960), Moscow, JPRS 12471, pp. 75-82, Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt. P-65-17, Apr. 1965), "Investigation of the interrelationships between the basic neural processes in rats under the influence of SHF-UHF of various intensities"

765. KITSOVSKAYA, I. A. (1964) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) 8(6):14-19, (JPRS 31047, N65-28357, TT-65-31545), "The effect of centimeter waves of varying intensity on the blood and hemopoietic organs of white rats"

766. KITSOVSKAYA, I. A. (1964) Trudy Nii Gigiyena Truda i Prof Zabolevaniya AMN SSSR, _(2):39-42, (In: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), (1960), Moscow, JPRS 12471), "Comparative evaluation of the action of microwaves of various wavelengths on the nervous system of rats susceptible to sound stimulus"

767. KLASCIUS, A. F. (1971) Jet Propulsion Lab. Rept. (8 pages), [Evaluation of the Navy's] "Microwave radiation protective suit" (Also: Amer. Indust. Hygiene Assoc. J. _( ):771-774 (Nov. 1971)

768. KLIMKOVA-DEUTSCHOVA, E. (1963) In: Transl. of Czechoslovakian Neurology, 26(3):184-189, (FTD-TT-64-267, pp. 22-, Aug. 1964; AD #450604), "Effect of (microwave) radiation on human EEG"

769. KLIMKOVA-DEUTSCHOVA, E., & ROTH, B. (1963) Electroencephalography and Clinical Neurophysiology 15(1):170 only, (Abstr. 17 of Meeting of Czech EEG Commission, HRADEC KRALOVE, Czech, June 1962), "The influence of a high frequency electromagnetic field on the human EEG"

770. KLIMKOVA-DEUTSCHOVA, E., & ROTH, B. (1963) International Archiv Gewerbepathol Gewerbehyg 20(1):1-10, "The effect of electromagnetic waves on the nervous system - an electroencephalographic study"

771. KLIMKOVA-DEUTSCHOVA, E., & ROTH, B. (1963) Chekhoslovatskoe Meditsinskoe Obozrenie 9:254-, "The effect of radiation on the human encephalogram"

772. KLING, D. H. (1935) Arch. of Physical Therapy 16:88-95, "Results of short wave and ultrashort wave therapy (radiathermy)"

773. KNAUF, G. M. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1:34-46, "Program for the investigation of the biological effects of electromagnetic radiation at the Rome Air Development Center"; Also, Appendix A, pp. 89-93, "Investigation of the biological effects of electromagnetic radiation; status report"

774. KNAUF, G. M. (1958) Proc. Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Hanghart, F. W., eds.) 2:3-8, "Outline and purpose of meeting"; Also, pp. 49-53, (AD 131477, July 1958), "New concepts in personnel protection"; also, pp. 124-125, "Review of the biological effects program (abstract)

775. KNAUF, G. M. (1958) AMA Arch. of Industrial Health 17:48-52, (Presented at 106th Annual AMA meeting, New York City, June 1957), "The biological effects of microwave radiation on Air Force personnel"; and ibid. 17:383-388, "Industrial medical problems in an electronic research center"

776. KNAUF, G. M. (1959) (Chairman), Technical Report, Investigators' Conf. on Biological Effects of Electronic Radiating Equipments (held at Patrick Air Force Base, Florida, Jan.), (RADC-TR-59-67, AD 214693, July 1959, 45 pages

777. KNAUF, G. M. (1959) Digest of Tech. Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., ed.), p. 34 only, "Biological effects of microwave radiation: A research progress report"

778. KNAUF, G. M. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1 (Peyton, M. F., ed.), pp. 9-12, "Chairman's remarks"

779. KNAUF, G. M. (1960) Amer. J. of Public Health 50(3):364-367, "Microwave exposure and missile propellants as occupational health problems"

780. KNAUF, C. M. (1960) Aerospace Med. 31(3):225-228, "The bio-effects of radar energy"

781. KNAUF, C. M., & SPENCER, J. L. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1(Appendix B):94-103, (AD 115603, WADC-TR-58-51), "Bibliography of biological effects of radio frequency energies, 1940-1957"

782. KNAUS, H. (1940) Minerva Medica 31:322-323, "Thermal sensitivity of testes and spermatozoa"

783. KNICKERBOCKER, G. G., KOUWENHOVEN, W. B., & BARNES, H. C. (1967) IEEE Trans. on Power Apparatus and Systems 86(4): 498-505, "Exposure of mice to a strong AC electric field: An experimental study"

784. KNORRE, K. G. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, p. 22 only, Title?

785. KNORRE, K. G. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR, (1):11-21, (Also in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, JPRS #12471, (N62-11902, TT-62-19175), "Parameters of SHF-UHF fields determining the hygienic evaluation of working conditions and the problems of their measurement"

786. KNORRE, K. G. (1963) Referativnyy Zh., Elektronika i Yeye primeneniye, (3):11-21, (Also in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V. (eds.), Moscow, JPRS 12471, pp. 5-17), "Parameters of UHF fields determining the hygienic evaluation of working conditions and the problems of their measurement"

787. KNORRE, K. G., & BELITSKIY, B. M. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, p. 36 only, Title?

788. KNORRE, K. G., & GORDON, Z. V. (1960) In: Elektronika V Meditsine, Berg, A. I., (ed.), Moscow - Leningrad, pp. 374-382, "Methods of measuring SHF-UHF field parameters which determine the hygienic estimate of labor conditions during work with generators"

789. KNUDSON, A., & SCHAIBLE, P. J. (1929) Abstr. of Communications to the XIIIth Internat. Physiological Congress, held in Boston, Aug., pp. 147-143, "Chemical changes in the body resulting from exposure to UHF field. I. Blood chemical findings in the dog. II. Acid base balance in the plasma of dogs"

790. KOBAK, D. (1935) Arch. of Physical Therapy 16:171-173, (Editorial), "Priority in short wave therapy"; Also, ibid. 16:430-431, (Editorial), "Urologic electrosurgery"

791. KOCHERGA, L. O. (1940) Universitet. Instytut fiziologii, Sbornik statei, Dnepropetrovsk, (3): page?,"The effect of SHF-UHF fields on spinal cord functions"

792. KOGAN, A. B., & TKHOMOVA, N. A. (1965) Biofizika 10(2):292-296, "The effect of a constant magnetic field on the movement of paramecia"

793. KOIWA, M. (1939) Tohoku J. of Experimental Medicine 37:202-215, (In German) "Influence of short wave irradiation on the glomerulary filtration and the tubular resorption in the normal and in the denerved kidney"

794. KOKHANOVICH, N. P. (1941) Fizioterapia, Moskva, 3-4:47-49, (In Russian), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt. P-65-17, Apr. 1965), Title? [Irradiation of dogs with UHF radiation]

795. KOLESNIK, F. A., & MALYSHEV, V. M. (1967) Voenno-meditsinskiy Zh. (USSR Military Medical J.) (2):28-29, ACSI J2103), "Nomenclature of disorders caused by electromagnetic waves of ultrahigh frequency"

796. KOLESNIK, F. A., & MALYSHEV, V. M. (1967) Voyenno-meditsinskiy Zh. (USSR Military Medical J.) (4):21-23, (Abstr. in: Soviet Radiobiology, ATD #68-105-108-9, June 1968, pp. 77-78; AD #671436), "The problem of clinical observation of injuries caused by SHF electromagnetic fields"

797. KOLESNIK, F. A., MALYSHEV, V. M., & MURASHEV, B. F. (1967) Voyenno-meditsinskiy Zh. (USSR Military Medical J.) (7): 39-41, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, June 1968, pp. 78-79; AD 671436), "Disturbances of the endocrine system by chronic action of a super-high-frequency microwave field"

798. KOLESNIKOV, V. M. (1969) Izvestiya Vysshikh Uchebnykh Zavedeniy, Priborostroyeniye, Russ., 12(7):9-12, (JPRS 49239), "New measurement techniques in studying the effect of superhigh frequency fields on biological subjects"

799. KOLIN, A. (1959) Proc. of the 1st National Biophysics Conf., 1:125-137, "Sorting of macromolecules and micro-organisms by means of electromagnetic and electrokinetic phenomenon"

800. KOLIN, A. (1968) Physics Today :39-50 (Nov.), "Magnetic fields in biology"

801. KOLIN, A. (1969) Final report, May 1960 - Aug. 1969. Univ. of Los Angeles, Calif. (NONR 233-(64), NR 136-505), "Electromagnetic separation of biological particles"

802. KOMAROVA, L. A. (1967) Voprosy Kurortologii Fizioterapii i Lechebnoi Fizicheskoi Kulturi (1):9-13, "Mechanism of action of superhigh frequency magnetic fields (microwaves)"

803. KONCHALOVSKAYA, N. M., KHMARA, S. N., & GLOTOVA, K. V. (1964) Trudy Nii Gigiyena Truda i Profzaboleanly AMN SSSR, (2):114-118, (Abstr. in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, JPRS 12471), "Condition of the cardiovascular system under the action of radio waves of various ranges"

804. KONIN, P. M., FRANKE, V. A., et al. (1960) In: Electronika V. Meditsine, Berg, A. I., (ed.), Moscow, Leningrad, (FTD-TT-63-1200, AD 600581), pp. 383-392, "Electronics and industrial safety"

805. KORBEL, S. (1966) Report, 4 pages, "Behavioral effects of ultrahigh frequency radio waves: abstracts"

806. KORBEL, S. F. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 180-184, "Behavioral effects of low intensity UHF radiation"

807. KORBEL, S. F., & FINE, H. L. (1967) Psychonomic Science 9(9):527-528, "Effects of low intensity UHF radio fields as a function of frequency"

808. KORBEL, S., & THOMPSON, W. D. (1965) Psychological Reports 17:595-602, "Behavioral effects of stimulation by UHF radio fields"

809. KORENEVA, L. G., & GAIDUK, V. I. (1970) Doklady Akad. Nauk, USSR, 193(2):465-468, "Resonance effects in hemoglobin resulting from irradiation with SHF electromagnetic waves are, in principle, possible"

810. KORNER, H. J. (1967) Zentralblatt fur Arbeitsmedizin und Arbeitsschutz (Frankfort am Main), 17:(12 pages), "Potential radiation hazard in radar installations"

811. KORSUN, G. S., & MIKHAYLOV, G. V. (1956) Voyenno-meditsinskoy Zh. (9):32-36 (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD-P-65-68, Sept. 1965, pp. 4-5, "Clinical examination of radar-set operators"; also abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD-P-65-17, Apr. 1965), "Some problems concerning the physiological and clinical evaluation of people working on UHF generators"

812. KORTELING, G. J., & BACH, S. A. (1964) Report No. 548, U. S. Army Medical Research Laboratory, Ft. Knox, Kentucky, (AD 443679), 14 pages, "Activity changes in alpha-amylase solutions following their exposure to radio-frequency energy"

813. KOSIERADZKI, K. (1936) Biochemische Zeitschrift 287:265-, "Investigations on the effect of shortwave radiation on enzymes; Report No. 1. Studies on diastase"

814. KOSLOV, S. (1969) Presented at the Hazards and Utility of Microwaves and Radiowaves Seminar, (Heller, J., Chm.), 11-12 Dec., Boston, "The U. S. -- Soviet radiation gap"

815. KOSMAN, A. J., OSBORNE, S. L., & IVY, A. C. (1948) Arch. of Physical Med. 29:559-562, "Importance of current from and frequency in electrical stimulation of muscles"

816. KOTTKE, F., KOZM, D., KUBICEK, W., & OLSON, M. (1949) Arch. of Physical Med. 30:431-437, "Deep circulatory response to short wave diathermy and microwave diathermy in man"

817. KOUWENHOVEN, W. B., LANGWORTHY, O. R., SINGEWALD, M. L., & KNICKERBOCKER, G. G. (1967) IEEE Trans. on Power Apparatus and Systems 86(4):506-511, "Medical evaluation of man working in AC electric fields"

818. KOVACS, R. (1935) Arch. of Physical Therapy 16:743-744, "Vacuum type wave generator of faradic and galvanic current"

819. KOVACS, R. (1951) Annals of Western Med. and Surgery (Los Angeles) 5:199-200, "Radar and ultrasound in therapy"

820. KOWLOWSKI, B. (1967) Klinika Oczna. Acta Ophthalmologica Polonica (Warszawa), 37:413-418, "Effect of electromagnetic and molecular radiation"

821. KOZENKO, G. (1942) Biulleten Eksperimental'noi Biologii i Meditsiny, Moscow, 13(3-4):57-59, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), (In Russian) "Effect of UHF on the function of denervated kidneys in the dog"

822. KRAMER, G. (1951) Die Vogelwarte 16(2):55-59, (NRC-TT-1162, N65-28590), "Experiments on the perception of ultrashort waves by birds"

823. KRASNY-ERGEN, W. (1936) Hochfrequenztechnik und Elektroakustik, Jahrbuch der Drahtlosen Telegraphie und Telephonie 48:126-133, (In German) "Non-thermic effects of alternating electrical fields on colloids"

824. KRASNY-ERGEN, W. (1937) Hochfrequenztechnik und Elektroakustik, Jahrbuch der Drahtlosen Telegraphie und Telephonie 49:195-199, (In German) "Field effects with very short waves; spontaneous alternating fields"

825. KREBS, J. S. (1968) NRDL-TR-68-104, Sept. (AD 677924), "Analysis of the radiation-induced loss of testes weight in terms of stem cell survival"

826. KRICHAGIN, V. I. (1962) In: Summaries of Reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Academy, Leningrad, "Practical points in standardization of microwave radiation fields"

827. KROTOV, A. V., GAYSINSKIY, B. YE., KAL'KAYEV, M. Z., & MININA, L. A. (1967) Meditsinskaya Tekhnika (4):52-54, (Abstr. in: ATD 68-105-108-9 Soviet Radiobiology, June 1968, p. 79 only; AD 671436), "Application of an ultra-high-frequency magnetic field in radiculitis"

828. KRUSEN, F. H. (1935) J. of the Amer. Medical Assoc. 104:1237-1239, "Short wave diathermy: preliminary report"

829. KRUSEN, F. H. (1950) Proc. of the Royal Society of Med. 43:641-658, "Medical applications of microwave diathermy: laboratory and clinical studies"

830. KRUSEN, F. H. (1951) Arch. of Physical Med. 32:695-698, "New microwave diathermy director for heating large regions of the human body"

831. KRUSEN, F. H. (1956) Institute of Radio Engineers Trans. on Medical Electronics, PGME-4:3-4, (From Symposium on Physiologic and Pathologic Effects of Microwaves, Krusen, F. H., Chm., Sept. 1955), "Address of welcome, Session I, Problems which are challenging investigators"

832. KRUSEN, F. H., HERRICK, J., LEDEN, W., & WAKIM, K. (1947) Proc. of Staff Meeting of the Mayo Clinic 22:209-234, "Preliminary report of experimental studies of heating effect of microwaves (radar) in living tissues"

833. KRUSTANOV, L., & GOSHEV, Z. (1966) Voenno Meditsinsko Delo _(4):41-46, "The peripheral blood characteristics of personnel exposed to a superhigh frequency electromagnetic field"

834. KRYLOV, V., & SOLOVEY, A. P. (1961) State Sci. Tech. Pub. House, Moscow, 17 pages, (FTD-TT-62-339/1+2+4, Nov. 1962; AD 292611), Safety Measures Recommended for Work on Radio-Frequency Generator Installations

835. KU'AKOVA, V. V. (1964) Trudy Nii Gigyena Truda i ProfzaboleániyaAMM SSR, (Biological Effects of Radio Frequency Electromagnetic Fields, Inst. of Industrial Hygiene and Occupational Diseases, Academy of Medical Sci., USSR), Moscow, _(2):70-74, "The effect of microwaves in the centimeter and decimeter range on the general and specialized patterns of appetite in animals"

836. KULAKOVA, V. V. (1966) In: Konferentsiya molodykh nauchnykh rabotnikov (Report summaries, Conf. of Young Scientific Workers), Moscow, Tezisy dokladov, pp. 73-74, (Abstr. in: ATD 68-105-108-9 Soviet Radiobiology, June 1968, p. 80 only, AD 671436), "Methods for investigating electrolyte requirements and their content in blood and urine in studying the biological effects of microwaves"

837. KULIK, J. J. (1963) Final Report Federal Aviation Agency (No. RD-64-1), (AD 435491), "Microwave radiation hazard to aircraft transiting radio and radar beams"

838. KULIKOVSKAYA, YE. L. (1961) In: Materials of the Scientific Session Concerned with the Results of Work Conducted by the Leningrad Institute of Industrial Hygiene and Occupational Diseases for 1959-1960, Leningrad, "The problem of microwave radiation of ship crews of the civil ocean fleet"

839. KULIKOVSKAYA, YE. L. (1962) In: Summaries of reports, Questions of the Biological Effect of an SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, "Effects of high frequency electromagnetic fields (medium and short wave lengths) on Navy ships crews"

840. KULIKOVSKAYA, YE. L. (1963) Gigiyena Truda i Professional'nyye Zabolevaniya (Labor Hygiene and Occupational Diseases), Moscow, _(2):24-27, (JPRS 19,068, OTS 63-21756, May 1963, pp. 1-5), (In Russian), "Ultra-high frequency electromagnetic waves on the decks of merchant ships"

841. KULIKOVSKAYA, YE. L. (1968) Gigiena Truda i Professional'nye Zabolevaniia (Moskva) _(5):22-28, "Shielding radio operators on sea-going vessels from MF-LF radiation"

842. KULIKOVSKAYA, YE. L. (1970) Izd-vo "Sudostroyeniye", Leningrad, 152 pages, (JPRS 52622, Mar. 1971), (In Russian), (Zashchita ot Deystviya Radiovoln) Protection from the Effect of Radio Waves (in the maritime industry)

843. KULIN, YE. T. (1965) In: Papers on the Physicochemical Basis of Autoregulation in Cells, Moscow, pp. 26-, "Concentration and radio-frequency dependence of autoregulation of functions of unicellular organisms (paramecia)"
DEMIDOVA, S.I., & KASIMENKO, V.B.

844. KULIN, YE. T. (1968) Biofizika 13(1):81-85, "Dependence of the phagocytic function of paramecia on the frequency and intensity of the electromagnetic field"

845. KULIN, YE. T., & MOROZOV, YE. I. (1964) Doklady Akademii Sci. BSSR, 8(5):329-331, "The effect of decimeter wavelength radiation on the physiological functions of one-celled organisms"

846. KULIN, YE. T., & MOROZOV, YE. I. (1965) Vestnik Akademii Nauk BSSR, Ser. Biologich, Nauk -(4):91-, "Some features of the effect of electromagnetic fields of the SHF range on the phagocytic function of paramecia"

847. KUPALOV, P. S., & FRENKEL, G. L., (Eds.), (1937) (In Russian), All Union Inst. of Experimental Medicine, Moscow, 471 pages, The Biological Action of VHF-HF-Ultrashort Waves

848. KUSSEL, G. (1949) Ophthalmologica (Basel), 177:299-, "Late form of electrical cataract case"

849. KUSABAYASHI, S., LARONGE, T. M., & LABES, M. M. (1967) Report (10 pages), June-Dec., (NASA, CR-91523), (N68-13316), "Mechanisms for the effects of electric and magnetic fields on biological systems"

850. KYLEN, A. M., et al. (1964) J. of the Amer. Dietetic Assoc. 45:139-145, "Microwave and conventional cooking of meat"

851. KYUNTSEL', A. A., & KARMILOV, V. I. (1947) Klinicheskaya Meditsina, Moscow, (24), "The problem concerning the effect of electromagnetic fields on the blood coagulation rate"

852. LACEY, B. A., WINNEK, H. I., & McLELLAN, M. E. (1965) J. of Applied Bacteriology 28:331-335, "Effects of microwave cookery on the bacterial count of food"

853. LaFOND, C. (1959) Missiles and Rockets _(?):20-, (14 Dec.) "Microwave 'hazards' are exaggerated"

854. LAIRD, E. (1952) Canadian J. of Physiology 30:663-, "Dielectric properties of some solid proteins at wavelengths of 1.7 m and 3.2 cm"

855. LAIRD, E., & FERGUSON, K. (1949) Canadian J. of Research, A, 27:218-230, "Dielectric properties of some animal tissues at meter and centimeter wave lengths"

856. LANG, O., & KOLLER, G. (1956) Zenth. Arbeitsmed. Arbeitsschutz 6:13-, (In German) "Protective measures for working spaces in high frequency installations"

857. LANTSMAN, M. N. (1965) Trans., Scientific Conf., Central Science Lab. TOMSK, _(2):360-362, "The effect of an alternating magnetic field on the phagocytic function of the reticulo endothelial system in experimentation"

858. LARKIN, C. R. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1:47-51, "Hazards of electromagnetic radiation to ordnance"

859. LaROCHE, L. P., ZARET, M. M., & BRAUN, A. F. (1970) Arch. of Environmental Health 20:350-355, "An operational safety program for ophthalmic hazards of microwaves"

860. LAVRENTIEVA, B. I., & FEDOROV, B. G. (1937) Shornik Bio. Deistvii, UHF, Moscow, pp. 145-, (Abstr. in: Biological Effect of Ultrahigh Frequencies Symposium, Moscow; also Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, AID Rpt. P-65-17, Apr. 1965), "Observations on live synapses under the action of UHF on the frog's heart"

861. LAWRENCE, J. C. (1968) British J. of Industrial Med. 25:223-228, "Effect of microwaves at X-band on guinea pig skin in tissue culture. Part I. Microwave apparatus for exposing tissue and the effect of radiation on skin respiration"

862. LAWRENCE, J. C. (1969) Non-Ionizing Radiation 1(2):80-84, "Effect of pulsed microwaves at X-band on skin metabolism"

863. LAWRENCE, L. G. (1969) Electronics World 82(4):25-28, "Electronics and the living plant"

864. LAWRENS, L., SIEMS, B., KOSMAN, P., STAFFORD, L., & OSBORNE, M. (1948) Arch. of Physical Med. 29:12-, Title?

865. LAZAREV, P. P. (1935) Klinicheskaia Meditsina, Moskva, 13(11):1583-1590, "Theory of the action of short and ultrashort waves"

866. LAZELL, J. A. (1960) Health Physics 16:525-, "Radiation Control for Health and Safety Act of 1968"

867. LEARY, F. (1959) Electronics 32(8):49-53, "Researching microwave health hazards"

868. LEAVY, I. M. (1935) Arch. of Physical Therapy 16:145-149, "Physical therapy in chronic diseases: With special reference to peripheral vascular disease and ulcerations" [diathermy]

869. LEBEDINSKIY, A. V. (1937) In: Materials of the Leningrad Conf. on VHF-HF Waves, Leningrad, pp. 45-54, "The physiological mechanism involved in the action of VHF-HF on the organism of animals and man"

870. LEBEDINSKIY, A. V. (1940) Pervoye soveshchaniye po voprosam primeneniya KV i UKV v meditsine. Trudy. (Trans. of the 1st Conf. on problems of the applications of shortwaves and ultrashort waves in medicine) Medgiz, pp. 121-129, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, AID Rpt. P-65-17, Apr. 1965), Title? [Discusses the exposure of humans to UHF electromagnetic fields]

871. LEDEN, U. M., HERRICK, J. F., WAKIM, K. G., & KRUSEN, F. H. (1947) British J. of Physical Med. 10:177-184, "Preliminary studies on the heating and circulatory effects of microwaves - 'Radar'"

872. LEHMANN, J. F., GUY, A. W., JOHNSTON, V. C., BRUNNER, G. D., & BELL, J. W. (1962) Arch. of Physical Med. 43:69-76, "Comparison of relative heating patterns produced in tissues by exposure to microwave energy at frequencies of 2,450 and 900 megacycles"

873. LEHMANN, J. F., et al. (1964) Arch. of Physical Med. 45:555-563, "Modification of heating patterns produced by microwaves at the frequencies of 2456 and 900 MC by physiologic factors in the human"

874. LEITES, F. L., & SKURIKHINA, L. A. (1961) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 52(12):47-50, (Bulletin of Experimental Biology and Med. 52(12):1387-1390, 1961), (FTD-TT-62-277, AD 281169), (In Russian), "The effect of microwaves on the hormonal activity of the adrenal cortex"

875. LENKO, J., WANIEWSKI, E., & WOCHNA, Z. (1966) Polski Tygodnik Lekarski 39(21):1475-1477, "Studies of the effects of microwaves of low power flux density on the testicles of rabbits"

876. LENNAN, I. (1931) Arch. of Physical Therapy 12:1 3-, "The heating effect of short radio-waves"

877. LENSON, P., HERRICK, J., & KRUSEN, F. (1950) Arch. of Physical Med. 31:687-695, "Temperatures produced in bone marrow, bone, and adjacent tissues by diathermy: experimental study"

878. LEONTOVICH, A. V. (1937) Fiziologicheskiy Zh. SSSR, Sechenov, 22(3,4):377-385, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, AID Rept. P-65-17, Apr. 1965), "The problem of nerve excitation"

LERMAN (See citation #892)

879. LETAVET, A. A., & GORDON, Z. V., (Eds.) (1960) Institute of Labor Hygiene and Occupational Diseases, Acad. of Medical Science, USSR, Moscow, 142 pages, (JPRS 12,471, 1962), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, AID Rpt. P-65-17, Apr. 1965), The Biological Action of Ultrahigh Frequencies

880. (LETAVET, A. A., & GORDON, Z. V. , ?), (1960) In: The Biological Action of Ultrahigh Frequencies, Letavet, A.A., & Gordon, Z. V., (eds.), pp. 123-125, (JPRS 12471, 1962); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, AID Rpt P-65-17, Apr. 1965), "Recommendations for conducting preliminary and periodic medical examinations of workers using UHF sources"

881. LEVITINA, N. A. (1964) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva), 58(7):67-69, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, 1965, p. 44 only, 'Effect of pulsed UHF on cardiac rhythm"), (Also abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, AID Rpt. P-65-17, Apr. 1965), "Effect of microwaves on cardiac rhythm of rabbits during local irradiation of body areas"

882. LEVITINA, N. A. (1966) Author's abstr. of Candidate's Dissertation, Moscow, "An investigation of the nonthermal action of microwaves on the heart rate"

883. LEVITINA, N. A. (1966) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva), 62(12):64-66, "Nonthermal action of microwaves on the cardiac rhythm of the frog"

884. LIBBER, L. M. (1970) Bioscience 20(21):1169-1170, "Extremely low frequency electromagnetic radiation biological research"

885. LICHT, S. H. (Ed.) (1958, Physical Medicine Library, Vol. 2); (1967, Vol. 4, 2nd Edition), E. Licht, pub., New Haven, Conn., Vol. 2, Therapeutic Heat and Cold; Vol. 4, Therapeutic Electricity and Ultraviolet Radiation

886. LICHT, S. H. (1967) Chapt. 1 in: Therapeutic Electricity and Ultraviolet Radiation, Physical Medicine Library, Vol. 4, 2nd Edition; E. Licht, pub., New Haven, Conn., pp. 1-70, "History of electrotherapy"

887. LICHTER, I., BORRIE, J., & MILLER, W. M. (1965) British Medical J. 1(5449):1513-1518, "Radio-frequency hazards with cardiac pacemakers"

888. LIDMAN, B. I., & COHN, C. (1945) Air Surgeons Bulletin 2:448-449, "Effects of radar emanations on the hematopoietic system"

889. LIEBESNY, P. (1934) Abstr. of the 1st Internat. Congress of Electro-Radio-Biology, (Licunio Cappelli, ed., Bologna, Italy), pp. 369-382, (In German with English Summary), "Biological effects of Hertzian shortwaves"

890. LIEBESNY, P. (1935) Urban and Schwarzenberg, pub., Vienna, (Book Review in: Arch. of Physical Therapy 16:306 only, 1935), Short and Ultrashort Waves in Biology and Therapy

891. LIEBESNY, P. (1938) Arch. of Physical Therapy 19:736-740, "Athermic short wave therapy"

892. LERMAN, S. (1962) N. Y. State J. of Medicine 62(19):3075-3085, "Radiation cataractogenesis" [ionizing and non-ionizing radiation] (Out of place, should follow citation #878)

893. LIKHTERMAN, B. V. (1933) Byull. Gosudarstvennogo Tsentral'nogo Instuta imeni Sechenova, (Bull. of the State Central Institute of Sechenova), 8(10): "The effect on attending personnel of work with high frequency electromagnetic equipment"

894. LIKHTERMAN, V. B., BORODINA, M. A., LINCHENKO, V. M., & ORLOV, L. M. (1936) Sevastopol'. Gosudarstvennyy Tsentral'nyy Nauchno-issledovatel'skiy Institute Zicheskikh Metodov Lecheniya. Izvestiya 3(3, 4):pp. ?, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), "The therapeutic use of short waves"

895. LINGEMANN, A., et al. (1964) Zeitschrift fur Gesamte Innere Medizin und ihre Grenzgebiete, Leipzig, 19:705-711, "Effect of short waves on some functions of the liver"

896. LINDQUIST, R. J. (?) Reference?, 20 pages, "Short wave diathermy"

897. LINDQUIST, R. J. (?) Reference?, 19 pages, "Galvanism"

898. LINKE, C. A., LOUNSBERRY, W., & GOLDSCHMIDT, V. (1962) J. of Urology 88(2):303-311, "Effects of microwaves on normal tissues"

899. LION, K. S. (1947) Arch. of Physical Med. 28:344-347, "The effect of the presence of meters in tissues subjected to diathermy treatment"

900. LIVANOV, M. N. (1944) Academy of Medical Sciences, USSR, (Biol.) (6), "Cerebral cortex electrical reactivity curves for man and animal under normal and pathological conditions"

901. LIVANOV, M. N. (1960) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 49(5):478-481, "Influence of electromagnetic fields on the electrical activity of rat cerebral cortex"

902. LIVANOV, M. N., TSYPIN, A. B., GRIGORY'EV, YU. G., KRUSHCHEV, V. G., STEPANOV, S. M., & ANAN'YEV, V. M. (1960) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 49(5):63-67, "The effect of electromagnetic fields on the bioelectric activity of cerebral cortex in rabbits"

903. LIVENSON, A. R. (1959) Novosti Meditsinskoi Tekhniki, USSR, _(1):31-44, (JPRS 9409), "The use of SHF-UHF electromagnetic fields in medicine"

904. LIVENSON, A. R. (1960) (In Russian) In: Electronics in Medicine (Electroniki V Meditsin), A. I. Berg. (ed.), Moscow, Leningrad, pp. 233-238, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "High frequency therapeutic apparatus"

905. LIVENSON, A. R. (1960) Meditsinskaya Gazeta Navy USSR _(5):57-63, "The use of microwaves in physiotherapy (The Luch 58 Apparatus)"

906. LIVENSON, A. R. (1962) Proc. of the 2nd All-Union Conf. on the Use of Radioelectronics in Biology and Medicine, Moscow, pp. 25-, "Dosimetric methods in microwave therapy"

907. LIVENSON, A. R. (1963) Trudy Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Meditsinskikh Instrumentov Oborudovanii 3:12-, "Dosimetric methods in centimeter and decimeter-wave therapy"

908. LIVENSON, A. R. (1963) Meditsinskaya Promyshlennost, USSR Med. Industry, _(11):10-17, (JPRS 23167, N64-14920), "Dosimetry methods in microwave and decimeter wave therapy"

909. LIVENSON, A. R. (1964) Voprosy Kurortologii Fizioterapii i Lechebnoi Fizicheskoi Kulturi _(5):450-, "Questions of occupational hygiene relating to the operation of equipment for microwave therapy"

910. LIVENSON, A. R. (1964) Meditsinskaya Promyshlennost, USSR Med. Industry, 18(6):14-20, (JPRS 26191, TT-64-41450, N64-28092), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), (Also in: Biological Effects of Microwaves, Compilation of Abstracts, ATD P-65-68, 1965, pp. 82-90), "Electrical parameters of biological tissue in the microwave range; Part 1"

911. LIVENSON, A. R. (1964) Meditsinskaya Promyshlennost, USSR Medical Industry, 18(7):10-17, (JPRS 26429, TT-64-41687), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Electrical parameters of biological tissue in the microwave range; Part 2, Methods of gauging electrical parameters of biological tissue"

912. LIVENSON, A. R. (1966) Meditsinskaya Promyshlennost, USSR Medical Industry, _(10):17-24, (Transl. by Transl. Div., Foreign Technology Div., WP-AFB, Ohio, Document # FTD-HT-23-232-68, May 1968), (In Russian) "Determination of the coefficient of reflection for multilayered systems of biological tissues in the microwave range"

913. LIVENSON, A. R., & FRENK, A. A. (1966) Meditsinskaya Promyshlennost, USSR Medical Industry, 20(4):18-24, (JPRS 36332, July 1966), "On the problem of dosimetry of the energy of decimetric waves"

914. LIVENSON, A. R., & GAVRILIN, V. A. (1964) Section in: Recent Developments in Medical Instruments, State Sci. Inst. Sci. Tech. Info., Moscow, (JPRS 25587, TT-64-31859, M64-30396), "An apparatus for synchronized treatment of biological objects with modulated microwaves (Sinkhroimpuls)"

915. LIVSHITS, N. N. (1947) Akademiya nauk SSSR, Fiziologicheskiy Institut. Trudy, 2:64-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Visual adaptation to darkness under the action of SHF-UHF fields upon the occipital region"

917. LIVSHITS, N. N. (1954) Dissertation, Moscow, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "The effect of an ultrahigh frequency electric field and ionizing radiation on the CNS"

917. LIVSHITS, N. N. (1957) Biofizika 2(3):387-389, (In Russian), (Biophysics 2(3):372-374, 1957, (In English)), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965); (Also Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, 1965, p. 68 only, "Review of the role of the nervous system in reactions to UHF"), "The role of the nervous system in reactions to UHF electromagnetic fields"

918. LIVSHITS, N. N. (1957) Biofizika 2(2):197-208, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Conditioned reflex activity in dogs under local influence of a VHF-HF field upon certain zones of the cerebral cortex"

919. LIVSHITS, N. N. (1957) Doklady Akademii Nauk SSSR 112:1145-1147, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, 1965, pp. 27-28, "Effects of UHF on conditioned reflex activity"), (Also abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Conditioned reflex activity of dogs during exposure to the cerebellum to VHF-UHF fields"
also 426-436,

920. LIVSHITS, N. N. (1958) Biofizika 3(4):409-421,/(Abstr. in Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, 1965, pp. 70-71, "Review of the effect of UHF fields on the functions of the nervous system"), (Also, abstr. in: The Biological Effects of Electromagnetic Fields, ATD Rpt P-65-17, Apr. 1965), "The effect of an ultrahigh-frequency field on the functions of the nervous system"

921. LOBANOVA, YE. A. (1959) Gig. Biol. Deystviya, Moscow, (In: Summaries of Reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, pp. 46-47), "Changes of the conditioned reflex activity in animals (rats and rabbits) under continuous exposure to centimeter waves"

922. LOBANOVA, YE. A. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR, _(1):61-64, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, 1965, pp. 30-31, "Survival and development of mammals in UHF fields"), (Also abstr. in The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, JPRS 12471, pp. 60-63), "Survival and development of animals exposed to various intensities and durations of pulsed SHF-UHF"

923. LOBANOVA, YE. A. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR, _(2):13-19, (Abstr. in: The Biological Action of Radio Frequency Electromagnetic Fields, Inst. of Industrial Hygiene & Occupational Diseases, Acad. of Med. Sciences, USSR, Moscow), "Changes in conditioned reflex activity of animals exposed to various ranges of microwaves"

924. LOBANOVA, YE. A. (1964) Trudy Nii Gigyena Truda i Profzabolevaniya AMN SSSR, _(2):75-77, (Also in: The Biological Action of Radio Frequency Electromagnetic Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Science, USSR, Moscow), "Study of temperature reaction of animals to the effects of microwaves of various wave ranges"

925. LOBANOVA, YE. A. (1966)/Gigiena Truda i Professional'nye Zabolevaniya (Moskva) USSR, Trudy Nii 10(10):7-12, (JPRS 39820), "Effect of chronic exposure to pulsed and nonpulsed 10 cm waves on the conditioned reflex activity of white rats"

926. LOBANOVA, YE. A. (1968)/Gigiena Truda i Professional'nye Zabolevaniya (Moskva), Trudy Nii USSR, _(11):23-27, "The problem of establishing standards for periodic microwave radiation exposure: An experimental study"

927. LOBANOVA, YE. A., & GORDON, Z. V. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya, AMN SSSR, _(1):52-56, (Also in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, 1960, JPRS 12471 (1962), pp. 50-56,), (Also abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Investigation of the olfactory sensitivity in persons subjected to the influence of SHF-UHF"

928. LOBANOVA, YE. A., & TOLGSKAYA, M. S. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya, AMN SSSR, _(1):69-74, (In Russian), (Abstr. in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, JPRS 12471, (OTS-62-19175-R-816), pp. 68-), (Also abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), also, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, Sept. 1965, pp. 31-32, "Effect of UHF on nervous activity and inter-neuron connections"), "Change in the higher nervous activity and inter-neuron connections in the cerebral cortex of animals under the influence of SHF-UHF"

929. LOGA, S., & ZACIU, R. (1966) Fiziologia Normala Patologica 12:395-402, "Determination of the electric parameters of biological systems at microwave frequencies"

930. LOSHAK, A. YA. (1963) In: Aviation and Space Medicine, Parin, V. V., (ed.), Academy of Med. Sciences, USSR, Moscow, pp. 292-295. (Transl. in: NASA TT-F-228, N65-13729), "Labor hygiene and occupational pathology involved in the work with centimeter wave generators in the Civil Air Fleet"

931. LOSHAK, A. YA. (1965) Gigiena i Sanitariya, USSR, _(6):18-22, (Abstr. in ATD Press, Special Issue "Biomedical Microwave Research": Vol. 4 (43) pp. 9-10; Transl. in: CFSTI TT-66-51033, 4-6; also JPRS 31280, and N65-29246), "The effect of climatic conditions during chronic irradiation with SHF-UHF energy"

932. LOSHAK, A. YA. (1966) In: Problems of Space Medicine, Moscow, pp. 262-263, (ATD Rept. 66-116), "The problem of the combined biological effect of X-ray and UHF irradiation"

933. LOSHAK, A. YA. (1968) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) USSR, _(5):15-18, "Radio frequency irradiation from aircraft communication systems as a health hazard"

934. LOSHAK, A. YA., & MAR'YEVSKIN, YE. P. (1964) Gigiyena i Sanitariya, USSR, _(7):39-44, (FTD TT-65-345/1 and 4, AD 618635, N65-32289), (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, Sept. 1965, pp. 21-22, "Working conditions around Civil Air Fleet radar stations"); (Also abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Evaluation of working conditions of civilian airport radar installations"

935. LUBIN, M., CURTIS, G. W., DUDLEY, H. R., BIRD, L. E., DALEY, P. F., COGAN, D. G., & FRICKER, S. J. (1960) AMA Archives of Industrial Health 21( ):555-558, "Effects of ultrahigh frequency radiation on animals"

936. LUDFORD, J. P. (Report), (unpublished? Issuing Agency?), 17 pages, "Status of the field of biological effects of radio-frequency radiation"

937. LUDWIG, F., & RIES, J. (1944) Manatschr. F. Gebrutsch Gynak 118:291-298, "Influence of short electromagnetic waves on embryonic development"

938. LUKYANOVA, S. N. (1967) Zh. Vysshei Nervnoi Deyatel'nosti imeni i Pavlov, USSR, 17(4):722-729, "The effect of a permanent magnetic field on the bioelectric activity of various brain formations in rabbit"

939. LUZZIO, A. J. (1965) In: U. S. Army Med. Research Lab. Progress Report, pp. 37-38, (AD - 3368), "Immune mechanisms [Athermal biological effect of RF energies]"

940. LYALINA, O. V. (1937) In: All Union Inst. for Experimental Medicine, Moscow, "Hyperglycemic reaction to ultrahigh frequencies in connection with dosimetry"

941. LYSINA, G. G. (1965) Gigiena i Sanitariya, USSR, (6):95-96, (ATD Press, Special Issue "Biomedical Microwave Research", Vol. 4(43), pp. 4-5 (Aug. 1965); also in: CFSTI TT-66-51033/4-6), "Changes in the morphological composition of blood under the influence of SHF-UHF"

(or LYSCOV?)

942. LYSTSOV, V. N., FRANK-KAMENETSKI, D. A., & SHCHEDRINA, M. V. (1965) Biofizika 10:105-109, (In Russian), (Biophysics 10:114-119, 1965, In English), "Effect of centimeter radiowaves on vegetative cells, spores, and transforming DNA"

943. LYUDKOVSKAYA, R. G., & ALEKSEYENKO, N. YU. (1956) Materials on Evolutionary Physiology, Symposium, Moscow-Leningrad, 1:183-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), Title not given [Deals with exposure of muscle to UHF radiation]

944. LYUTOV, A. I. (1964) In: Some Problems of Physiological Biophysics, Voronezh, Izd-vo Voronezh, Univ., pp. 92-98, "Dynamics of excitability and efficiency of spinal cord motor neurons during brain incisions at various levels, and the action of sound and RF electromagnetic oscillations upon the CNS"

945. McAFEE, R. D. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:314-331, "Neurophysiological effects of microwave irradiation"

946. McAFEE, R. D. (1961) Amer. J. of Physiology 200(2):192-194, "Neurophysiological effect of 3 cm microwave radiation"

947. McAFEE, R. D. (1963) Amer. J. of Physiology 203(2):374-378, "Physiological effects of thermode and microwave stimulation of peripheral nerves"

948. McAFEE, R. D. (1963) Biomedical Sciences, Instrumentation 1:167-170, "Microwave stimulation of the sympathetic nervous system"

949. McAFEE, R. D. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 150-153, "The neural and hormonal response to microwave stimulation of peripheral nerves"

950. McAFEE, R. D., BERGER, C., & PIZZOLATO, P. (1960) Proc. 4th Tri-service Conf. on the Biologic[illegible] Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 251-260, "Neurological effect of 3 cm microwave irradi[illegible]

951. McELHANEY, J. H., & STALNAKER, R. (1968) J. of Biomechanics 1:47-52, "Electric fields and bone loss of disuse"

952. McILWAIN, H. (1953) Biochem. J. 55:618-624, "Glucose level, metabolism and response to electrical impulse in cerebral tissues from man and laboratory animals"

953. McLAUGHLIN, J. T. (1957) California Medicine 86(5):336-339, "Tissue destruction and death from microwave radiation (radar)"

954. McLEES, B. D., FINCH, E. D., & ALBRIGHT, M. L. (1971) Naval Medical Research Institute Report (Rept. No. 1 on Project MF12.524.015-0001B), "An examination of regenerating hepatic tissue following in vivo exposure to RF radiation" (Also: J. Applied Physiology 32(1):77-85 (1972))

955. McLEES, B. D., & FINCH, E. D. (1971) Naval Medical Research Institute Report (Rept. No. 2, on Project MF12.524.015-0001B), "Bibliography on the hazards of artificial cardiac pacemaker exposure to radio frequency fields and electric shock"

956. McLEES, B. D., & FINCH, E. D. (1971) Naval Medical Research Institute Report (Rept. No. 3 on Project MF12.524.015-0001B), "Analysis of the Physiologic Effects of Microwave Radiation" (Also: see citation #2086, this Bibliography)

957. McNALLY, E. M., & BENCHIMOL, A. (1968) Amer. Heart J. (Part I) 75:pp? (Mar.); (Part II) 75:679-695, (May), "Medical and physiological considerations in the use of artificial cardiac pacing", Parts I and II

958. McNALLY, J. B., NUNN, A. S., CICHON, J. V., & RICHARDSON, A. W. (1962) Federation Proceedings 21(2):1-255, "Microwave effects on glucose absorption and transfer in the rat"

959. MACHABELI, M. YE., KHUBUTIYA, V. A., & CHINCHALADZE, J. J. (1957) Gigiena i Sanitariya 22(11):81-83, (In Russian), "Working conditions and the state of health of workers employed in radio frequency installations"

960. MACHLE, W., & LANDEEN, K. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:71 only, "The effect of repeated microwave exposures on the formed elements in the blood of rats"

961. MACKAY, R. S. (1960) Inst. of Radio Engineers Trans. ME-7:111-113, "Some electrical and radiation hazards in the laboratory"

962. MACLEOD, J., & KOTCHKISS, R. S. (1941) Endocrinology 28:780-784, "The effect of hyperpyrexia upon spermatozoa counts in man"

963. MACMURRAY, L. C. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Benghart, F. W., eds.) 2:79-87, (AD 131477), "Microwave radiation hazards problems in the U. S. Army"

964. MACMURRAY, L. C., DEHNE, E. J., & DUGUID, R. H. (1958) U. S. Army Environmental Hygiene Agency, Tech. Pub., "Health hazards associated with microwave radiation"

965. MADSON, R. A., CORDARO, J. T., KILLER, R. L., & VOELKER, G. E. (1970) USAF School of Aerospace Medicine Rept. SAM-TR-70-87, "Effects of microwaves on bacteria in frozen foods"

eta

966. MAKAROV, P. O. (1967) Vestnik Leningradskogo Universitat/ Seriya Biologii, USSR, (21):150-15., "On the resonance and selective absorption of microwaves by the Flagellate Opalina ranarum"

967. MAKSIMOV, G. A., & KRYUKOVA, I. M. (1956) Biofizika 1:201-205, (In Russian) "Study of the mechanism of heat and mass exchange in seeds of plants grown with heat provided by an rf electrical field"

968. MALAKHOV, A. N., MAKSIMOV, A. S., & NEFEDOV, YU. YA. (1965) In: Bionika (BIONICS), GAAZE-RAPOPORT, M. G., & Yakobi, V. E., (eds.), Nauka Pub. House, Moscow, pp. 377-381, (JPRS 35125, Apr. 1966), "On the electromagnetic hypothesis of biological communication"

969. MALAKHOV, A. N., ROMANOV, I. V., SMIRNOV, YU. V., & UL'YANOV, M. YU. (1965) In: Bionika (BIONICS), Gaaze- Rapoport, M. G., & Yakobi, V. E., (eds.), Nauka Pub. House, Moscow, pp. 302-305, (ATD Transl. N66-24173; JPRS 35125: TT-66-31562), "Biological indication of a SHF-UHF electromagnetic field"

970. MALAKHOV, A. N., SMIRNOV, YU. V., & UL'YANOV, M. YU. (1963) Materials of the 3rd Povolzhskaya Conf. of Physiologists, Biochemists, and Pharmacologists, Gor'kiy, "The SHF-UHF electromagnetic field as a signal factor in the conditioned reflex of white mice"

971. MALLARD, J. R., & LAWN, D. G. (1967) Nature (London) 213:28-30, "Dielectric absorption of microwaves in human tissues"

972. MALLARD, J. R., & WHITTINGHAM, T. A. (1968) Nature (London) 218(5139):366-367, "Dielectric absorption of microwaves in human tissues"

973. MANDELTSVAYG, YU. B. (1962) Meditsinskaya Radiologiya 7(8):100-101, (JPRS 15553), The second all union conference on the use of radio-electronics in biology and medicine

973. MANDLER, F. H. (1934) Abstr. of the 1st Internat. Congress on Electro-Radio-Biology, Cappelli, L., (ed.), Bologna, Italy, pp. 543-552, "Some aspects of combined radiation therapy"

974. MANSFIEL, P. B. (1966) Amer. J. of Medical Electronics 5:61-65, "On interference signals and pacemakers"

975. MANYASHIN, YU. A. (1967) Gigiyena Truda i Professional'nyye Zabolevaniya (6):47-49, (AD 671436), (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, pp. 80-81, June 1968), "Disturbance of aromatic amino-acid exchange products excreted with urine in persons exposed to the action of HF and UHF electromagnetic waves"

976. MAREK, H. (1959) Pracovni Lekarstvi, Prague, 11:401-403, (In Czech.) "Protective measures against the effects of centimeter radiation on the human organism"

977. MARHA, K. (1963) Pracovni Lekarstvi, Prague, 15(6):238-242, (In Czech), (AD 460316, FTD TT-64-898, N65-35916, AD 618465; A64-80014; also ATD Rept. 65-56, July 1965); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Certain experimental observations of the effect of a high frequency electromagnetic field in vivo and in vitro"

978. MARHA, K. (1963) Pracovni Lekarstvi, Prague, 15(9):387-393, (In Czech.) "Biological effects of rf electromagnetic waves"

979. MARHA, K. (1963) Final Report of the Institute of Industrial Hygiene and Occupational Diseases, Prague, (In Czech.), "Complex theory of the mechanism of the effects of electromagnetic fields on the organism"

980. MARHA, K. (1967) U. S. Govt. Res. & Dev. Reports, 25 pages (AD 642029) (Summary of Unclassified Report), "Biological effects of high-frequency electromagnetic waves" (Transl. of item #978 (above))

981. MARHA, K. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 188-196, "Maximum admissible values of HF and UHF electromagnetic radiation at work places in Czechoslovakia"

982. MARHA, K., & MUSIL, J. (1962) Slaboproudy obzor 7:409-413, (In Czech.) "Measurement of the power density at centimeter wavelengths for health purposes"

983. MARHA, K., MUSIL, J., & TUHA, H. (1963) Pracovni Lekarstvi, Prague, 15(9):387-393, (In Czech.); (ATD Rept. 66-92; AD 642029), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rpt P-65-17, Apr. 1965), "Biological effects of high frequency electromagnetic waves"

984. MARHA, K., MUSIL, J., & TUHA, H. (1968) (In Czech.), State Health Publishing House, Praha, Czechoslovakia, 138 pages, (Transl. SBN 911302-13-7, Pub. by San Francisco Press, Inc., 1971), Electromagnetic Fields and the Living Environment

985. MARKS, Z., & HORNOWSKI, J. (1968) Neurologia i Neurochirurgia Polska 2(1):25-29, (In Polish with English summary) "Clinical observations concerning the effect of microwaves on the nervous system"

986. MARKS, J., CARTER, E. T., SCARPELLI, D. G., & EISEN, J. (1961) Ohio State Medical J. 57(3):274-279, "Microwave radiation to the anterior mediastinum of the dog: I. Histologic and electrocardiographic observations"; pp. 1132-1135, "II. Thermal, cardiovascular, respiratory, and blood enzyme observations"

987. MARRIOTT, I. A. (1964) Medical Service J. of Canada 20:546-552, "Three cases of apparent chemical burns of the hands following contact with a magnetron tube"

988. MARSHALL, R. (1963) Tradex - O and M, 11(2):pp.? "Safety notes on microwave generation hazards"

989. MARTIN, E. J., CONSTANT, P. C., JONES, B. L., FARGO, E. T., & CARTWRIGHT, E. G. (1962) Final Report on Bureau of Ships (Navy) Contract #Nobs-77142 (June) by Midwest Research Institute, Kansas City, Mo., "Survey of radio frequency radiation hazards"

990. MARTIN, G., & ERIKSON, D. (1950) J. of the Amer. Medical Assoc. 142:27-30, "Medical diathermy"

991. MARTIN, G., & HERRICK, J. (1955) J. of the Amer. Medical Assoc. 159:1286-1287, "Further evaluation of heating by microwaves and by infrared radiation as used clinically"

992. MARTIN, G., RAE, J., JR., & KRUSEN, F. (1950) Southern Medical J. 43:518-524, "Medical possibilities of microwave diathermy"

993. MASOERO, P., et al. (1965) Minerva Pediatrica 17:1133-, (In Italian) "Preliminary Report: Influence of electrostatic fields and of 'activated' water on weight increase"

994. MASON, J. F. (1959) Electronics _:34-35, (Dec. 1), (Also in: Digest of Tech. Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.)), "Germ-gas electronic [radiation] detectors"

995. MATUZOV, N. I. (1959) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 48(7):27-30, "Changes in the excitation of the optic analyzer in man by microwaves"

996. MAY, L., KAMBLE, A. B., & ACOSTA, I. P. (1970) J. of Membrane Biology 2:192-200, "The effect of electric fields on brain cephalin and lecithin films"

997. MAYER, O. (1954) Science Newsletter 47:296-, "Effect of radar waves studied by Army and Navy"

998. MAZURKIEWICS, J. (1968) Lekarz Wojskowy _(3):165-170, (ATD 68-129), "Classification of the harmful effect of microwaves on man"

999. MEADE, K. (1959) The Engineer's Digest (U. S. Coast Guard Pub.) CG-133, #118, (Sept.-Oct.), p. 42, "Radio frequency radiation hazards"

1000. MEAHL, H. R. (1956) Institute of Radio Engineers Trans. on Medical Electronics, PGME-4:16 only, (Abstr. from Symposium on Physiologic and Pathologic Effects of Microwaves (Krusen, F. H., Chm.), 23-24 Sept. 1955, Mayo Clinic), "Protective measures for microwave radiation hazards: 750 to 30,000 Mc"

1001. MEAHL, H. R. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 15-22, "Basic problems in measuring RF field strength"

1002. MEAHL, H. R. (1961) Digest of the Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.) pp. 229-, "Ion orb omnidirectional, fixed level, visual indicator of radio frequency field strength"

1003. MELLON, R. R., SZYMANOWSKI, W. T., & HICKS, R. A. (1930) Science 72:174-175 (Aug. 15), "An effect of short electric waves on diphtheria toxin independent of the heat factor"

1004. MEOSSIKINE, B. (1948) Rev. Morrel 60:364-366, "Rapid modification of local temperature following application of short waves and its clinical significance"

1005. MERJANIAN, S. V. G., & SCHWAN, H. P. (1966) ONR Tech. Rept. No. 42, and M.S. Thesis of S.V.G.M., Moore School of Electrical Engineering, Univ. of Pennsylvania, "Optimization study of an electrical method for the rapid thawing of frozen blood"

1006. MERMAGEN, H. (1959) Digest of Tech. Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology, (Schwan, H. P., Chm.) p. 41 only, "Studies on the behavior of phantoms in electromagnetic (radar) fields"

1007. MERMAGEN, H. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 143-152, "Phantom experiments with microwaves at the University of Rochester"

1008. MEROLA, L. O., & KINOSHITA, J. H. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 285-291, "Changes in the ascorbic acid content in lenses of rabbit eyes exposed to microwave radiation"

1009. MERREY, J. L. (1963), AD 415814, 11 pages, "Some biological aspects of microwave radiation"

1010. MERRIMAN, J. R., HOLMQUEST, H. J., & OSBORNE, S. L. (1934) Amer. J. of Medical Science 187:677-, Title?

1011. MEYERS, G. H., PARSONNET, V., ZUCKER, I. R., & LEWIN, G. (1968) Medical Research Engineering 7:13-16, "An experimental radio-frequency carotid-sinus pacemaker"

1012. MIALE, J., & LANDEEN, K. (1964) Toxicology and Applied Pharmacology 6:71-77, "Effect of microwave radiation on the hemopoietic system of the rat"

1013. MICHAELSON, S. M. (1958) Communication at the 2nd Tri-service Conf. on Biological Effects of Microwave Energy, July 1958, Univ. of Virginia, reported by Baldwin and Bach, "Dogs turned toward the beam at 2800 MHz"

1014. MICHAELSON, S. M. (1968) Report N69-25298, UR-49-1012, 28 pages, "The effect of 2800 MHz microwaves on the eye of rabbits and dogs"

1015. MICHAELSON, S. M. (1969) J. of Microwave Power 4(2):114-119, "Microwave hazards evaluation: concepts and criteria"

1016. MICHAELSON, S. M. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 35-58, "Biological effects of microwave exposure"

1017. MICHAELSON, S. M. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):131-146, "The Tri-Service Program - A tribute to George M. Knauf, USAF (MC)"

1018. MICHAELSON, S. M., & DODGE, C. H. (1968) 21st Annual Conf. on Engineering in Med. and Biology, 18-21 Nov., (Also, Rept. N69-25367, UR-49-976), "Soviet views on the biologic effects of microwaves"

1019. MICHAELSON, S. M., & DODGE, C. H. (1971) Health Physics (in press), "Soviet views on the neural effects of microwaves" (Expanded in citation #2057)

1020. MICHAELSON, S., HOWLAND, J. W., & DUNDERO, R. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G. & Banghart, F. W., eds.) 2:175-189, "Review of work conducted at University of Rochester (USAF sponsored)"

1021. MICHAELSON, S. M., HOWLAND, J. W., THOMSON, R. A. E., & HERMAGEN, H. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:161-190, "Comparison of responses to 2800 MHz and 200 MHz microwaves or increased environmental temperature"

1022. MICHAELSON, S. M., THOMSON, R. A. E., El-TAMAMI, M. Y., SETH, H. S., & HOWLAND, J. W. (1964) Aerospace Med. 35(3):824-829, / "The hematologic effects of microwave exposure" (Abstr. No. A64-80830)

1023. MICHAELSON, S. M., THOMSON, R. A. E., & HOWLAND, J. W. (1959) Digest of Tech. Papers, 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.) pp. 38-39, "Characterization of the thermal response among animals exposed to microwaves or increased environmental temperature"

1024. MICHAELSON, S. M., THOMSON, R. A. E., & HOWLAND, J. W. (1960) Proc. 3rd Internat. Conf. on Medical Electronics and Biological Engineering, pp. 399-400, "Biomedical aspects of microwave irradiation of mammals"

1025. MICHAELSON, S. M., THOMSON, R. A. E., & HOWLAND, J. W. (1961) Amer. J. of Physiology 201(2):351-356, "Physiologic aspects of microwave irradiation of mammals"

1026. MICHAELSON, S. M., THOMSON, R. A. E., & HOWLAND, J. W. (1962), Radiation Research 16(4):476-, "The potential influence of microwaves on injury and recovery from ionizing radiation"

1027. MICHAELSON, S. M., THOMSON, R. A. E., & HOWLAND, J. W. (1965) Aerospace Med. 36:1059-1064, "Comparative studies on 1285 and 2800 MHz pulsed microwaves"

1028. MICHAELSON, S. M., THOMSON, R. A. E., & HOWLAND, J. W. (1966) In: Proc. of the Symposium on Biomedical Engineering, (Sances, A., Jr., ed.), (held at Marquette Univ., Milwaukee), 1:215-218, "Microwaves in biomedical investigations"

1029. MICHAELSON, S. M., THOMSON, R. A. E., & HOWLAND, J. W. (1967) Rome Air Development Center Tech. Rept. No. RADC-TR-67-461, Sept., (AD 824242L;/ (Also in Senate Hearings), "Biologic effects of microwave exposure"; Final Rept. 1958-1965 [Studies on bone marrow, thyroid function, & CNS] N68-36850; & X68-12450)

1030. MICHAELSON, S. M., THOMSON, R. A. E., KRASAVAGE, W. J., QUINLAN, W. J., & HOWLAND, J. W. (1961) Digest of the Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.) Plenum Press, New York, pp. 194-, "The biological effects of microwave irradiation"

1031. MICHAELSON, S. M., THOMSON, R. A. E., ODLAND, L. T., HOWLAND, J. W. (1963) Aerospace Med. 34(2):111-116, "The influence of microwaves on ionizing radiation exposure" (A66-32156),

1032. MICHAELSON, S. M., THOMSON, R. A. E., & QUINLAN, W. J., JR. (1967) Aerospace Med. 38(3):293-298/ "Effects of electromagnetic radiations on physiologic responses"

1033. MICHAELSON, S., et al. (1961) Industrial Med. and Surgery 30:298-, "Tolerance of dogs to microwave exposure under various conditions"

1034. MICKEY, G. H. (1963) New York State J. of Med. 63(13):1935-1942, "Electromagnetism and its effect on the organism"

1035. MICKEY, G. H. (1969) Presented at the Hazards and Utility of Microwaves and radiowaves Seminar, (Heller, J., Chm.), 11-12 Dec., Boston, "Effects of microwaves and radiowaves on plant and animal cells; human genetic and somatic damage"

1036. MICKEY, G. H., & HELLER, J. H. (1964) / "Radio frequency treatment for breaking dormancy and controlling virus infections of plants" Trans. of the Amer. Soc. of Agricultural Engineers 7(4):398-401

1037. MICKEY, G. H., & KOERTING, L. (1970) Newsletter of the Environmental Mutagen Society, No. 3, pp. 25-26, "Chromosome breakage in cultured Chinese hamster cells induced by radio-frequency treatment"

1038. MIKHAILOVA, R. I. (1966) Stomatologiia (Moskva) 45:49-53, "Experience with microwave therapy in stomatology"

1039. MILCZAREK, H., ZALEJSKI, S., & MAZURKIEWICZ, J. (1967) Polski Tygodnik Lekarski, Poland, 22:1924-1927, "Changes in the nervous system in individuals working within the range of microwave radiation"

1040. MILITSIN, V. A. (1937) Trudy III vses. S'iezda fizioterap., (Monograph), Kiev, pp. 199-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Problems of using short- and ultra-short waves in medicine"

1041. MILITSIN, V. A. (1938) Fizioterapiya, Moskva, _(1): "The first international congress on SHF-UHF radiation"

1042. MILITSIN, V. A., & VOZNAYA, A. TS. (1957) Fizioterapiya, Moskva, _(2):33-43, "The influence of chronic action of ultra-high frequency (in weak doses) on the morphology of the blood, hematopoietic, and reticulo-endothelial system"

1043. MILLARD, J. B. (1955) Annals of Physical Med. _(2):248-252, "Changes in tissue clearance of radioactive sodium from skin and muscle during heating with shortwave diathermy"

1044. MILLER, J. W., & GERUSKY, T. M. (Co-Chairmen), (1969) Conf. on Federal-State Implementation of Public Law 90-602, "Radiation Control for Health & Safety Act of 1968", held in Montgomery, Alabama, 24-28 Mar., U. S. Dept. of Health, Education, and Welfare; Public Health Service; Bureau of Radiation Health, Rept. #ORO 69-4, (Sept.)

1045. MILLS, W. A. (1969) Conf. on Federal-State Implementation of P.L. 90-602, "Radiation Control for Health & Safety Act of 1968", (Miller, J. W., & Gerusky, T. M., Co-Chm.), held in Montgomery, Ala., U. S. Dept. of H. E. W., P. H. S., B. R. H., Rept. #ORO 69-4, (Sept.), pp. 13-25, "Bioeffects of non-ionizing electronic product radiation"

1046. MINECKI, L. (1961) Medycyna Pracy 12(4):329-335, (In Polish), (AD 271865), (FTD-TT-61-390/1, Dec. 1961, pp. 1-8), "The health of persons exposed to the effect of high frequency electromagnetic fields"

1047. MINECKI, L. (1962) Rept. of the 6th Polish Conf. of Occupational Medicine, "The thermal effect of microwave radiation"; and "Changes in activity of cholinesterase in mice subjected to single and repeated action of microwaves"

1048. MINECKI, L. (1964) Arhiv za higijenu rada i toksikologiju 15(1):47-55, (In Polish), (Delivered before the 1st Yugoslav Congress of Occupational Medicine, Beograd, Nov. 1963), "Critical evaluation of maximum permissible levels of microwave radiation"

1049. MINECKI, L. (1964) Med. pracy 15:307-315, (In Polish), "Effect of microwave radiation on the sight organs"

1050. MINECKI, L. (1964) Med. pracy 15:391-396, (In Polish), "Effect of an rf electromagnetic field on embryonal development"

1051. MINECKI, L. (1965) Medycyna Pracy 16:300-304, "Clinical symptoms in workers exposed to the effect of high frequency electromagnetic fields"

1052. MINECKI, L. (1966) Medycyna Pracy 17(2):134-136, "Critical evaluation of the health protetction of personnel occupationally exposed to high frequency electromagnetic radiations"

1053. MINECKI, L. (1966) Warsaw, (In Polish), Electromagnetic Radiation: Biological Effects and Safeguarding of Health (Public Health)

1054. MINECKI, L. (1967) Zdrow Publiczne/ (2):213-220, "High frequency electromagnetic fields, a new environmental hazard"

1055. MINECKI, L., & BILSKI, R. (1961) Medycyna Pracy 12(4):337-344, (In Polish), (AD 271865), (FTD-TT-61-380/1, Dec. 1961, pp. 9-15), "Histopathological changes in the internal organs of mice exposed to the effect of microwaves (S-Band)"

1056. MINECKI, L., OLUBEK, K., & ROMANIUK, A. (1962) Medycyna pracy 13(4)255-264, (In Polish), "Changes in the activity of conditioned reflexes of rats under the influence of the action of microwaves (S-band): 1. Single exposure to microwaves" (4)

1057. MINECKI, L., & ROMANIUK, A. (1963) Medycyna Pracy 14:355-360, and 361-372, "Changes in conditioned reflexes of rats under the influence of S-band microwaves (I, and II)"

1058. MINTZ, M., & HEIMER, G. (1965) IEEE Trans. on Electromagnetic Compatibility 7(2):179-183, "New techniques for microwave radiation hazard monitoring"

1059. MIRAHORIAN, L. (1934) (In French with English Summary), Abstr. of the 1st Internat. Congress of Electro-Radio-Biology, (Cappelli, L., ed.) Bologna, Italy, pp. 383-386, "The possibility of clinical diagnostic differentiation of mutations due to electromagnetic energy"

1060. MIRAULT, h. (1950) Praxis, Switzerland, 39:927-931, "Microwaves (radar) in electrotherapy"

1061. MIRO, L. (1962) Revue de Medicine Aeronatique, Paris, 1 (4):16-17, (In French), "Hematological modifications and clinical disorders observed in persons exposed to radar waves"

1062. MIRO, L., LOUBIERE, R., & PFISTER, A. (1965) Revue de Medicine Aeronatique, Paris, 4:37-39, (In French), "Research on visceral lesions observed in mice and rats exposed to ultrashort waves: special study of the effects of these waves on the reproduction of the animals"

1063. MIRO, L., LOUBIERE, L., & PFISTER, A. (1966) Revue de Medicine Aeronatique, Paris, 5:9-13, "Morphological and metabolic changes observed experimentally under the influence of high frequency electromagnetic fields"

1064. MIRO, L., LOUBIERE, R., & PFISTER, A. (1967) In: Proc. of the 2nd Internat. Symposium in Basic Environmental Problems of Man in Space, (Bjurstedt, H., ed.), held in Paris, June 1965,, Springer Verlag, publisher, pp. 288-297, "Effects of high frequency electromagnetic fields on the uptake of methionine S-35 by the spleen and liver of mice" (A65-26302)

1065. MIRO, L., LOUBIERE, R., & PFISTER, A. (1968) In: Thermal Problems in Aerospace Medicine, (Hardy, J. D., ed.), The Advisory Group for Aerospace Research & Development, NATO, Maidenhead, England, pp. 177-183, "Visceral lesions observed in mice and rats exposed to ultrashort waves: special study of the effects of these waves on the reproduction of the animals"

1066. MIRO, L., ATLAN, H., ARNAUD, Y., DELTOUR, G., & LOUBIERE, R. (____) Ref? "A note on the radio protection experienced by bacteria exposed to ultrahigh frequency waves"

1067. MIRUTENKO, V. I. (1962) Fiziologii Zh. Akademiya Nauk UKR SSR, 8(3):382-389, (AD 292205), (FTD TT-62-1361/1+2), "Investigating local thermal effect of electromagnetic (3 cm) waves on animals"

1068. MIRUTENKO, V. I. (1964) In: The Biological Action of Ultrasound and Super-high-Frequency Electromagnetic Vibrations, Naukova Dumka, Akademiya nauk Ukrainskov SSR. Institut Fiziologii, Kiev, pp. 62-79, (Abstr. in Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, pp. 92-93 (1965), "SHF dosimetry and nonthermal threshold determination"), "The thermal effects of a SHF electromagnetic field on animals, and some problems of SHF-field dosimetry"

1069. MIRUTENKO, V. I. (1964) Fiziologii Zh. Akademiya Nauk UKR SSR 10(5):641-646, (JPRS 29375), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Effect of blood circulation on the distribution of heat, and the magnitude of the thermal effect during action of a SHF-UHF electromagnetic field on animals"

1070. MIRUTENKO, V. I. (1965) (In Russian), In: Problems in Biophysics and the Mechanism of Action of Ionizing Radiation, Kiev, Zdorovya, pp. 79-82, 'Heat distribution in the organs and tissues of animals exposed to a UHF electromagnetic field"

1071. MISHENKO, L. I. (1969) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 68(7):56-58, (In Russian with English Summary), "The influence of an ultra high frequency electromagnetic field on the carbohydrate metabolism in the brain of rats"

1072. MISHIN, V. V. (196?) Vsesoyuznoye Fiziologicheskoye Obshchestvo. Voronezhskoye Otdeleniye Nekotoryye Voprosy Fiziologii i Biofiziki, Trudy Otdeleniya. Izd-vo Voronezh Univ., pp. 40-46, "Change of lability of the neuromuscular system under the influence of electromagnetic oscillations in the audio frequency range"

1073. MITCHELL, J. P., & LUMB, G. N. (1960) Proceedings of the Royal Society of Medicine 53:348-354, "Hazards of diathermy in urology"

1074. MITTLEMANN, E. (1961) Digest of Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frowner, P. L., ed.), Plenum Press, New York, pp. 193-, "Relationship between heat sensation and high frequency power absorption"

1075. MOGENDOVICH, M. R. (1937) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 4:246-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), Title not given, [Discusses changes in conductivity of nerves upon exposure to UHF]

1076. MOLCHAMEV, K. (1944) Biulleten Eksperimental'noi Biologii i Meditsiny (Giesen) 18:1-20, "Bactericidal effect of ultrashort waves on microflora of metallic foreign bodies: experimental studies"

1077. MONAYENKOVA, A. M., & SADCHIKOVA, M. N. (1966) Gigiyena Truda i Professional'nyye Zabolevaniya 10(7):18-21, (JPRS 38663; ATD Rept 66-123, Oct. 1966), "Hemodynamic indices during the action of super-high frequency electromagnetic fields"

1078. MOORE, R. T. (1969) Presented at the Hazards & Utility of Microwaves & Radiowaves Seminar (Heller, J., Chm.), Boston, 11-12 Dec., "Government relations: problems and plans"

1079. MOORE, W., JR. (1968) Report TSB-68-4, 25 pages, U.S. Dept. of Health, Education, and Welfare, Public Health Service, Consumer Protection & Environmental Health Service, Environmental Control Admin., Bur. of Radiation Health, Rockville, Md., "Biological aspects of microwave radiation: a review of hazards"

1080. MOOS, W. (1964) Aerospace Med. 35:374-377, "A preliminary report on the effects of electric fields on mice"

1081. MOOSSIKINS, B. (1948) Rev. Morrel 60:364-366, "Rapid modification of local temperature following application of short waves and its clinical significance"

1082. MORELLINI, M., & INGRAO, F. (1943) Abstr. only in: Zentralblatt fur die gesamte radiologie, p. 216 only, (In German), "Effect of short waves on the vegetative nervous system"

1083. MORESSI, W. J. (1964) Experimental Cell Research 33:240-253, "Mortality patterns of mouse sarcoma-180 cells resulting from direct heating and chronic microwave irradiation"

1084. MORGAN, W. E. (1960) AMA Arch. of Industrial Health 21:570-573, (Also, Safety Maintenance _:16-, July 1959), "Microwave radiation hazards"

1085. MORRELL, R. M. (1959) Digest of Tech. Papers, 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.) pp. 32-33, "Radio telemetry of whole-nerve action potentials"

1086. MORTIMER, B., & OSBORNE, S. L. (1935) J. of the Amer. Medical Assoc. 104:1413-1419, "Tissue heating by short wave diathermy: some biologic observations"

1087. MOSES, P. (1951) Medecine Aeronautique, Paris, 6:143-144, "Recent investigations on the biologic effect of radar"

1088. MOSINGER, M., & BISSHOP, G. (1960) C. r. seances soc. biol. filiales associees 154:1016-1017, (In French), "On the histological reactions following irradiation of intratissular metal pieces by microwaves"

1089. MOSKALENKO, YU. YE. (1958) Biofizika 3(5):619-626, "The use of SHF-UHF fields in biological research"

1090. MOSKALENKO, YU. YE. (1960) in: Electronika v Meditsine, (Berg, A. I., ed.) Moscow, Leningrad, pp. 207-218, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Clinical and biological application of SHF-UHF electromagnetic fields"

1091. MOSKALENKO, J. E. (1961) Nov. med. techn. Moskva, _:79-88, (In Russian), "Some of the possible biophysical mechanisms for the interaction of the energy of an electromagnetic field with living structures"

1092. MOSKALYUK, A. I. (1949) Avtoref., Kand. Dissertation (Author's abstract of dissertation, Candidate), Leningrad, "Latent reflex period as an indicator of SHF-UHF field effect"

1093. MOSKALYUK, A. I. (1957) Tr. VMVLA (Report of Military Medical "Order of Lenin", Akad. imeni S. M. Kirova) 73:133-, "Effect of a SHF field on oxidation reduction processes in some rabbit tissues"

1094. MOSKWA, W., et al. (1965) Kosmos-Seria A Biologia _:277-284, (JPRS 33,500), "Biophysical effects of a constant magnetic field"

1095. MOTSNYI, P. E. (1936) Dnepropetrovsk, Universitet. Nauchnyye Zapiski 4:4-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), Title not given, [Discusses altered response in muscle following UHF exposure]

1096. MOYNIEL, G. (1950) Revue de Medecine 25:39-40, "Biologic effect of electromagnetic radiation (short wave) on isolated cells"

1097. MUCH, V. (1951) Ophthalmologica (Basel) 121:41-43, "Ultra short wave therapy following extra capsular cataract extraction"

1098. MULLER, H. (1949) Arch. of Physical Med. 29:765-769, "Experimental lenticular opacities produced by microwave irradiations"

1099. MULLER, H. (1950) Amer. Scientist 38:33-59, "Radiation damage to the genetic material"

1100. MUMFORD, W. E. (1936) Bell [Telephone] Labs. Progress Rept. 717, "Hazards to personnel near high power UHF transmitting antennas"

1101. MUMFORD, W. W. (1961) Proc. of the Institute of Radio Engineers 49(2):427-447, "Some technical aspects of microwave radiation hazards"

1102. MUMFORD, W. W. (1969) Proc. of the Institute of Electrical & Electronics Engineers 57(2):171-178, "Heat stress due to RF radiation" (Also: Non-Ionizing Rad. 1(3):113-119 (1969))

1103. MUMFORD, W. W. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 21-34, "Heat stress due to RF radiation"

1104. MUNGO, A. (1962) Folia Medica (2):156-, (In Italian), "Radar: Technology, pathology, and prevention"

1105. MURASHOV, B. F. (1966) Voenno Meditsinskii Zh. (Moskva) (6):82-83, "The lingering effect of an ultrahigh frequency field on the hypophyseal system: the cortex of the adrenal glands"

1106. MURPHY, A. J., PAUL, W. D., & HIKES, H. M. (1950) Arch. of Physical Med. 31:151-156, "A comparative study of the temperature changes produced by various thermogenic agents"

1107. MURPHY, R. M., KLAUSEN, J., JUSTESEN, D. R., & PENDLETON, R. B. (1967) Scientific Proc., Amer. Psychiatric Assoc. 123(1): 201-202, "Enhanced relearning following electroshock and fibrille (microwave) induced convulsions"

1108. MURR, L. (1965) Nature 206:467-, "Biophysics of plant growth in an electrostatic field"

1109. MURRAY, J. L. (1963) M. S. Thesis, Dept. of Radiation Biology, Univ. of Rochester, School of Med. and density, Rochester, New York, 12 pages, (AD 415814), "Some Biological Aspects of Microwave Radiation"

1110. MURRAY, R. J. (1959) Safety Manual, Sperry Gyroscope Co., "Microwave safety precautions"

1111. MURRAY, R., ABRAHAM, J. D. R., CHAMBERS, J. H., ELLIOTT, P. M., FFRENCH, G. E., GILBERT, P. R., HOLDEN, H., & MUIRHEAD, A. (1969) Non-Ionizing Radiation 1(1):7-8, "How safe are microwaves?"

1112. MUSIL, J., & MARHA, K. (1963) Final Report of the Institute of Industrial Hygiene and Occupational Diseases, Prague, (In Czech), Measurement of Rf Field Intensity in Work Areas According to the Guidelines Issued by the Surgeon General

1113. MUSIL, J. (1964) Final Report of the Institute for Industrial Hygiene and Occupational Diseases, Prague, (In Czech), Reflection and Absorption of Electromagnetic Energy in a Model of the Body

1114. MUSIL, J., & MARHA, K. (1965) Czech. patent No. 115-714, "Wide-band device for measuring the intensity of an electromagnetic field for health purposes"

1115. MUSIL, J. (1965) Final Report of the Institute for Industrial Hygiene and Occupational Diseases, Prague, (In Czech.), The Effect of Clothing on the Absorption of UHF Energy in the Organism

1116. MUSIL, J. (1965) Slaboproudy Obzor, Prague, 26(7):391-397, (In Czech.), "Effect of the constitution of the body on the absorption of electromagnetic waves"

1117. MUSIL, J. (1965) Sdelovaci technika 13(4):145-146, (In Czech.), (ATD 68-129), "Measurement of the intensity of an electromagnetic field for hygienic purposes"

1118. MUSIL, J. (1965) Final Report of the Institute of Industrial Hygiene and Occupational Diseases, Prague, (In Czech.), Possibilities of Using Simple Measurements of Power Density of Electromagnetic Waves for Health Purposes

1119. MUTH, E. (1927) Kolloid-Zeitschrift 41:97-102, (In German), "Concerning the appearance of the (string of) pearl chain formation of emulsion particles under the effect of an alternating field"

1120. MUTSCHALL, V. E. (1969) Foreign Science Bulletin, Library of Congress, 5(2):13-36, (AD 6692), "Biological effects of high frequency electromagnetic waves"

1121. MUTSCHALL, V. E. (1969) Foreign Science Bulletin, Library of Congress, 5(6):18-55, (AD 689769; N69-33390), "Response of the nervous system to microwave radiation"

1122. NADEL, A. B. (1961) General Electric Co., Technical Military Planning, Santa Barbara, Calif., Report #RM 61TMP-29, 21 pages, "Selected biologic effects of microwave radiation"

1123. NAKAMURA, H., OKAMURA, H., & TANAKA, K. (1939) Gann (Japanese J. of Cancer Research) 32:294-300, "Short and ultrashort waves, their effects on glycogen, Vitamin C, glutathione, calcium and potassium contents, and on cytochrome oxidase reaction"

1124. NAGELSCHMIDT, F. (1935) Arch. of Physical Therapy 16:457-465, "The condenser field: an improved method of application" [diathermy]

1125. NALIVAYKO, G. T. (1939) Dnepropetrovsk. Universitet. Institut Fiziologii. Sbornik rabot, 2:2-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (Title not given) [Discusses alteration in muscle response following UHF irradiation]

1126. NEIDLINGER, R. W. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Mirco-waves) MTT-19(2):250-251, "Microwave cataract"

1127. NEIFELD, H. (1935) Arch. of Physical Therapy 16:544-549, "Some effects of electric currents on human respiratory movements" [Diathermy]

In:

1128. NELSON, D. J., JR., & SOLEM, D. L. (1969)/Bureau of Radiation Health Rept. #ORO 69-4, (Conf. on Federal-State Implementation of Public Law 90-602, (Miller, J. W., & Gerusky, T. M., co-chm.)), pp. 54-56, "Laser and microwave problems"

1129. NETREBA, M. I. (1963) In: Aviation & Space Medicine, (Parin, V. V., ed.), Acad. of Med. Sci., USSR, Moscow, (NASA transl. TT-F-728, pp. 321-324; N65-13739), "The sanitary aspect of the working conditions around SHF-UHF generators"

1130. NEWMAN, H. F., & WILHELM, S. F. (1950) J. of Urology 63(2):349-352, "Testicular temperature in man"

1131. NIEPCIOMSKI, W., & SMIGLA, K. (1966) Polish Medical J. 5:396-405, (Also, Patologie Polska (Warszawa) 16:129-139, 1965), "Visceral pathomorphology of experimental animals subjected to the action of 10.7 MHz electromagnetic fields"

1132. NIESET, R. T., et al. (1957-1961) Progress Reports (Tulane Univ.) on Investigations of the Biological Effects of Microwave Irradiation: (1956, AD 149246; 1958, AD 225409 and 225837; 1959, AD 214693, AD 230822, RADC-TR-59-67-215, and -311; 1960, AD 229023, AD 257198; 1961, RADC-TR-61-65); (Also: Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.), (1958), pp. 202-214, "Review of the work conducted at Tulane University") and (Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, (Knauf, G. M., (chm.), RADC-TR-59-67, pp. 6-11), "Neural effects of microwave radiation"

1133. NIKOGOSYAN, S. V. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, p. 51 only

1134. NIKOGOSYAN, S. V. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN, SSSR, _(1):81-84, (Also in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, JPRS 12471, pp. 83-88, "Influence of UHF on cholinesterase activity in the blood serum and Erythrocytes"); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965); (Also, abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD Rept. P-65-68, Sept. 1965, pp. 33-34, "Effect of UHF on blood-serum cholinesterase activity"), (In Russian), "Influence of SHF-UHF on the cholinesterase activity in the blood serum, and on the organs of animals"

1135. NIKOGOSYAN, S. V. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, "The effect of centimeter and decimeter waves on the content of protein and protein fractions in the blood serum of animals"

1136. NIKOGOSYAN, S. V. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN, SSSR, _(2):43-48, "A study of cholinesterase activity in the blood serum and organs of animals subjected to the chronic effects of microwaves"; ibid., pp. 66-67, "Effects of 10 cm waves on the content of nucleic acids in animal organs"; ibid., Issue 9, pp. 56-, "Effect of 10 cm waves on amount of protein fractions in animal blood serum; (Also in: The Biological Action of Radio-Frequency Electromagnetic Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Sciences, USSR, Moscow)

1137. NIKOGOSYAN, S. V. (1967) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 64(9):56-58, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, pp. 81-82. June 1968; AD 671436), "Changes in protein metabolism under chronic exposure to 10 cm low-intensity waves"

1138. NIKOGOSYAN, S. V., & KITSOVSKAYA, I. A. (1968) Gigiyena Truda i Professional'nye Zabolevaniya (Moskva) _(5):53-55, "Changes in the activity of cholinesterase in the central nervous system of animals with different functional conditions under the action of low intensity decimeter waves"

1139. NIKOLAEVA, E. N. (1953) Sborn. Eksp. Klin. Neurolog. (Monograph), "On experimental basis of use of UHF currents in medical practice"

1140. NIKOLOVA-TROYEVA, L. (1964) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy and Medical Physical Culture), Moscow, 29(3):239-242, (JPRS 26038; N64-27670), "Results of microwave treatment of some diseases"

1141. NIKONOVA, K. V. (1960) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) _(1):9-12, "The hygienic characteristic of labor conditions during work with high frequency heating in the electrovacuum industry"

1142. NIKONOVA, K. V. (1960) In: Physical Factors of the Environment, Letavet, A. A., (ed.), pp. 163-170, "The problem of labor hygiene during work with high frequency generators in the electrovacuum industry"

1143. NIKONOVA, K. V. (1963) Kand (Candidate's)Dissertation, Moscow, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Materials on the hygienic assessment of high frequency electromagnetic fields (medium and long waves)"

1144. NIKONOVA, K. V. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN, SSSR, _(2):49-56, "Effects of high frequency electromagnetic fields on the functions of the nervous system"; ibid., pp. 61-65, "Effects of high frequency electromagnetic fields on blood pressure and body temperature of experimental animals"; (Also in: The Biological Action of Radio-Frequency Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Sciences, USSR, Moscow)

1145. NIKONOVA, K. V., & FUKALOVA, P. P. (1962) Gigiena Truda i Professional'nye Zaholevaniia (Moskva), 6(3):8-13, (JPRS 13920; N62-12615), "Hygienic evaluation of working conditions and the effectiveness of protective (safety) measures during the induction heating of metal using high frequency tube generators"

1146. NIZHNIK, G. V. (1956) Zh. Obshchei Biologii, Moscow, 17(4):311-316, "Viability changes in sexual cells of male rabbits and mice under the action of VHF-HF fields"

1147. NOVAK, J. & Cerny, V. (1963) Casopis Lekaru Ceskych, Prague, 102:496-497, (In Czech) "Influence of a pulsed electromagnetic field on the human organism"

1148. NRUMORI, N., & TORRISI, S. (1930) Amer. J. of Physical Therapy, _(9):130-, "A specific effect of high frequency electric currents on biological objects"; and ibid, _(11):102-, "Ultra-high frequency electromagnetic vibrations: their effects upon living organisms"

1149. NYROP, J. E. (1946) Nature 157(3976):51 only, (12 Jan.), "A specific effect of high-frequency electric currents on biological objects"

1150. O'BRIEN, C. K., RICHARDSON, A. J., & KAPLAN, H. M. (1971), (Tower International Technomedical Institute)/J. of Life Sciences 1(1):1-8, "Histopathologic changes in rat liver following 2450 MHz microwave radiation"

1151. OBROSOV, A. N. (1960) In: Elektroniki V. Meditisin, Berg, A. I. (ed.), Moscow, pp. 197-206, "Basic trends in the application of electronics in physiotherapy"

1152. OBROSOV, A. N. (1963) Proc. of 1st Republican Conf. of Physiotherapists and Health-Resort Specialists of the Ukrainian SSR, Kiev, pp. 238-, "A pulsed UHF field - a new therapeutic factor"

1153. OBROSOV, A. N. (1967) In: Therapeutic Electricity and Ultraviolet Radiation, Licht, S. H., (ed.), E. Licht, Publisher, New Haven, Conn., 2nd Edition, (Vol. 4 of the Physical Medicine Library), Chapt. 5, pp. 179-187, "Electrosleep therapy"

1154. OBROSOV, A. N., & KROTOV, A. (1966) Meditsinskaya Gazeta, Navy, USSR, p. 3 only, "VHF-HF pulse therapy"

1155. OBROSOV, A. N., & SKURIKHINA, L. A. (1964) Klinicheskaya Meditsina 42:(4):139-144, (JPRS 25235), "Experience in the treatment of patients using microwaves"

1156. OBROSOV, A. N., SKURIKHINA, L. A., & SAFIULINA, S. N. (1963) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Science, Physiotherapy & Medical Physical Culture), Moscow, 28(2):223-229, (JPRS 21067; N63 22435), "Effect of microwaves on the cardiovascular system of a healthy person"

1157. OBROSOV, A. N., & YASNOGORODSKI, V. G. (1961) Digest of the Internat. Conf. on Medical Electronics in Biology and Engineering, p. 156 only, "A new method of physical therapy: pulsed electric fields of ultrahigh frequency"

1158. ODINTSOV, YU. N. (1965) Trans. of the Sci. Conf. Central Sci. Lab., TOMSK, No. 2, pp. 382-386, "The effect of an AC magnetic field on some immunobiological indices in experimental listerellosis"

1159. OLDENDORF, W. H. (1949) Proc. of the Society for Experimental Biology and Med. 72:432-434, "Focal neurological lesions produced by microwave irradiation"

1160. ONCLEY, J. L. (1942) Chemical Reviews 30:433-450, "The investigation of proteins by dielectric measurements"

1161. OPPEAN, R. (1966) The Health Worker, Bucharest, _:2-, (JPRS 36,639), "The biological effect of electrostatic and magnetic fields"

In:

1162. ORLOVA, A. A. (1957)/Summaries of reports, Part 2, Jubilee Scientific Session of the Institute of Labor Hygiene & Occupational Diseases Dedicated to the 40th Anniv. of the Great October Socialistic Revolution, Moscow, p. 65 only, "The action of ultrahigh and high frequency fields on the internal organs"

1163. ORLOVA, A. A. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, pp. 25-26, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Clinical aspects of changes in the internal organs during exposure to radiowaves of various frequencies"

1164. ORLOVA, A. A. (1960) In: Physical Factors of the Environment, Letavet, A. A., (ed.), pp. 171-176, "The c tion of the cardiovascular system during exposure to SHF-UHF and high frequency fields"

1165. ORLOVA, A. A. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN, SSSR, _(1):36-40, (Also in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, JPRS 17471, pp. 30-35); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Clinical aspects of changes in the internal organs caused by exposure to UHF"

1166. OSBORN, C. M. (1959) Technical Rept., Investigators' Conf. on the Biological Effects of Electronic Radiating Equipments, pp. 20-,

1167. OSBORN, R. R. (1943) Lancet 2:277-, "Findings in 262 fatal accidents"

1168. OSBORNE, S. L., & BELLENGER, J. (1950) British J. of Physical Med. 13:177-180, "Heating of human maxillary sinus by microwaves"

1169. OSBORNE, S. L., & FREDERICK, J. N. (1948) J. of the Amer. Medical Assoc. 137(12):1037-1041, (Also, Quarterly Bull. Northwestern Univ. Medical School 23:222-228 (1949)), "Heating of human and animal tissues by means of high frequency current with wavelength of twelve centimeters (the Microtherm)"

1170. OSBORNE, S. L., & HOLMQUEST, H. J. (1944) Charles C. Thomas, (Pub.), Springfield, Ill., 799 pages, Technic of Electrotherapy and its Physical and Physiological Basis

1171. OSIPOV, YU. A. (1952) Gigiena i Sanitariya, USSR, _(6):22-23, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965); (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, Sept. 1965, pp. 3-4, "Biological effects of ultrahigh frequencies under industrial conditions"), "The effect of VHF-HF under industrial conditions"

1172. OSIPOV, YU. A. (1952) Vrachebnoe Delo nauchnyy meditsinskiy zh., Kharkov, _(11):1018-1020, "High frequency currents from the standpoint of occupational pathology"

1173. OSIPOV, YU. A. (1953) Sovetskoe Zdravookhranenie Kirgizii _(2):46-47, "Dispensary service offered workers engaged in work with high frequency currents"

1174. OSIPOV, YU. A. (1953) Gigiyena i sanitaria 8:39-42, (In Russian) "Induction heating of metals by high-frequency currents from the health point of view"

1175. OSIPOV, YU. A. (1954) Papers of the 2nd Leningrad Conf. on Industrial Use of High Frequency Currents, Moscow, pp. 26-31, "Labor hygiene problems in the industrial use of high frequency currents [fields]"

1176. OSIPOV, YU. A. (1955) Vrachebnoe Delo nauchnyi meditsinskii zh., Kharkov, _(4):345-346, "Potential organic lesions during work with high frequency currents"

1177. OSIPOV, YU. A. (1965) Izd. Meditsina Publishing House, Leningrad, 220 pages, Occupational Hygiene and the Effect of Radio Frequency Electromagnetic Fields on Workers; pp. 78-103, "Biological effect of radio frequency electromagnetic fields"; pp. 104-144, "Occupational hygiene and the health of workers exposed to radio frequency radiation"; and pp. 156-202, (JPRS 32725, TT:65-33213, Nov. 1965; and N66-11812), "Measures of protection, therapy, and prophylaxis to be taken during work with radio-frequency oscillators" [Describes "Microthermal Effects"]

1178. OSIPOV, YU. A., & KALYADA, T. V. (1962) Summaries of Reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Pirov Order of Lenin Military Medical Academy, Leningrad, "Results of an experimental study into the effects of low intensity centimeter waves on man"

1179. OSIPOV, YU. A., & KALYADA, T. V. (1963) Gigiyena i Sanitariya (Hygiene and Sanitation), Moscow, _(10):73-78, (JPRS 23287, Feb. 1964; OTS 64-21594; & N64-15335), "Temperature response of the skin during irradiation with microwaves of low intensity"

1180. OSIPOV, YU. A., KALYADA, T. V., & KULIKOVSKAYA, YE. L. (1961) Materials of the scientific Session Concerned with the Results of Work Conducted by the Leningrad Institute of Industrial Hygiene and Occupational Diseases for 1959-1960, Leningrad, p. 24-, "Problems of industrial hygiene in work with centimeter radiowave measuring equipment"

1181. OSIPOV, YU. A., KALYADA, T. V., & KULIKOVSKAYA, YE. L. (1962) Gigiena i Sanitariya, Moscow, _(6):81-86, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (JPRS 15644), "Observations on certain functional changes which occur in people exposed to irradiation with centimeter electromagnetic waves during work"

1182. OSIPOV, YU. A., KULIKOVSKAYA, YE. L., & KALYADA, T. V. (1962) Gigiena i Sanitariya, Moscow, 27(2):100-102, (JPRS 13691), "Conditions of SHF-UHF electromagnetic field irradiation of those working on the tuning and testing of radio engineering instruments"

1183. OSIPOV, YU. A., VOLFOVSKAYA, R. N., ASANOVA, T. P., KULIKOVSKAYA, YE. L., KALYADA, T. V., & SHCHEGLOVA, A. V. (1963) Gigiena i Sanitariya, Moscow, 28(6):35-38, (JPRS 20872; N63-20696), "Concerning the problem of the combined effect of a MF-LF electromagnetic field and X-ray irradiation under industrial conditions"

1184. OTT, V. R., RUSCH, D., & RUIZ-BLANCO, B. (1966) Arch. of Physical Therapy (Leipzig) 18:1-17, "Experimental and clinical studies with decimeter waves"

1185. OVERMAN, H. S. (1959) U. S. Naval Proving Ground Technical Memorandum No. W-3/59, Jan., "Microwave radiation hazards to personnel from Bureau of Ordnance (Navy) radar"

1186. OVERMAN, H. S. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 47-54, "Quick formulas for radar safe distances"

1187. PACAKOVA, L., & HYTHA, M. (1962) Prague, p. 219, (In Czech.), Very Short Waves and Their Applications in Modern Technology

1188. PACELLI, M. (1959) Annali di Medicina Navale e Tropicale 64:533-, (In Italian) "On the biological effects of microwaves"

1189. PAFF, G. H., BOUCEK, R. J., & DEICHMANN, W. V. (1960) Anatomical Record 142(2):264-, (Also, Section in: Microwave Radiation Research (1960), pp. 42-47; Univ. of Miami Annual Report, RADC-TR-61-42, AD 256500), "The effects of microwave irradiation on the embryonic chick heart as revealed by electrocardiographic studies"
BOUCEK, R. J., NIEMAN, R. E., 386
1190. PAFF, G., & DEICHMANN, W. V., (1963) Anatomical Record 147:379-, "The embryonic heart subjected to radar"

1191. PALIYEV, B., & GOSHEV, K. (1966) Voenno Meditsinsko Delo 21(4):34-41, "EKG changes occurring under the effects of a SHF-UHF electromagnetic field"

1192. PALLADIN, A. M., SPASSKAYA, I. M., & YAKUBOVICH, R. S. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "On the health of women working around intermediate frequency generators"

1193. PALLADIN, A. M., SPASSKAYA, I. M., & YAKUBOVICH, R. S. (1962) Akusherstvo i Ginyekologiya (Obstetrics and Gynecology) 39(4):69-74, (In Russian), "The effect of SHF-UHF on the specific functions of women working with generators"

1194. PALMISANO, W. A., & PECZENIK, A. (1966) Military Medicine 131:611-618, "Some considerations of microwave hazards exposure criteria"

1195. PANOV, A. G., PORTNOV, A. A., LOBZIN, V. S., & POLYAK, V. P. (1966) Voenno Meditsinskii Zh. (Moskva), _(12):12-15, "Diencephalic asthenic conditions"

1196. PANOV, A. G., & TYAGIN, N. V. (1966) Voyenno Med. Zh. (Military Med. J.), USSR, _(9):13-16, "Symptomatology classification and expertise of SHF-UHF after-effects on the human organism"

1197. PARDZHANADZE, SH. K. (1954) Thesis, Collected Abstr. of Papers from the Research Institute of Spa Therapy and Physiotherapy of the Georgian SSR 21:198-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), "The mechanism of action of HF-VHF electromagnetic fields on the organism"

1198. PARIN, (1963) Akademiya Meditsinskikh Nauk SSSR, Moscow, (NASA-TTF 228), "Aviation and space medicine"

1199. PARIN, V. V., & DAVYDOV, I. N. (1940) In: Problems of Physiotherapy and the Science of Health Resorts, Collection, Sverdlovsk, pp. 178-181, "The influence of a UHF field on experimental hypertension"

1200. PARKER, B., FURMAN, S., & ESCHER, D. J. W. (1969) Annals of the N. Y. Acad. of Science 167:823-, "Input signals to pacemakers in a hospital environment"

1201. PATTISHALL, E. G. (ed.) (1957) Proc. (1st)Tri-service Conf. on Biological Hazards of Microwave Radiation, 1, (15-16 July), (ARDC-TR-58-51; AD 115603). Sponsored by Air Research & Development Command Hdqs., U. S. Air Force

1202. PATTISHALL, E. G., & BANGHART, F. W., (eds.), (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy, 2, (8-10 July), Sponsored by Rome Air Dev. Center, Air Res. & Dev. Command (Knauf, G. M., Chm.), 264 pages, (ARDS-TR-58-54; AD 131477)

1203. PAULY, H., PACKER, L., & SCHWAN, H. P. (1960) J. of Biophysics & Biochemical Cytology 7(4):589-, "Electrical properties of mitochondrial membranes"

1204. PAYNE, J. N. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, Peyton, M. F., (ed.), pp. 319-325, "Similarities and differences between the technical aspects of the Navy HERO (Hazards from Electromagnetic Radiation to Ordnance) program for ordnance and the personnel hazard program"

1205. PEAKE, W. H. (1959) Ohio State Univ. Columbus. AF 336166158, (AD 417869), "The interaction of electromagnetic waves with some natural surfaces"

1206. PEARLMAN, W., & BALDWIN, M. (19__), (ref?) pp. 157-166, "Experimental designs in the study of biological effects during radio frequency transmission"

1207. PELIS, L., JR. (1964) Industrial Medicine & Surgery 33:866-868, "The hazards of low voltage radiation"

1208. PENNOCK, B. E., & SCHWAN, H. P. (1967), (Ph.D. Thesis), (ONR Tech. Rept. #41), (Electromedical Div., The Moore School of Electrical Engineering, Univ. of Pa., (Rept. #68-01)); (AD 655127), "The Measurement of the Complex Dielectric Constant of Protein Solutions at Ultrahigh Frequencies: Dielectric Properties of Hemoglobin Bound Water"

1209. PEREIRA, F. A. (1933) Comptes Rendus Acad. Sci. 197:1124-1125, (In French), "Oscillatory chemical mechanics: modification of chemical reactions under the influence of waveguide oscillator circuits"

1210. PEREIRA, F. A. (1935) Biochem. Z. 238:53-58, (In French), "On the effect of electromagnetic waves on enzyme systems"

1211. PERVUSHIN, V. YU. (1957) Biulleten Eksperimental'noy Biologii i Meditsiny (Moskva), 43(6):87-92, (Abstr. in Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, (1965), pp. 26-27, "Changes in the cardiac nervous mechanism due to SHF"), "Changes in the cardiac nervous mechanism during exposure to an SHF-UHF field"

1212. PERVUSHIN, V. YU., & TRIUMFOV, A. V. (1957) Trans. Milit. Med. Acad. imeni S. M. Kirov, (USSR) VMOLA, 73:141-151, "Morphological changes in some organs of rabbits subjected to the action of a SHF field"

1213. PETERS, W. J., JACKSON, R. W., IWANO, K., & GROSS, A. E. (1970) Presented before the New York Academy of Sciences, 4 Nov. at the Symposium entitled, "Effect of Controlled Electromagnetic Energy on Biological Systems", 11 pages, "The effect of microwave electromagnetic radiation on the growth of mammalian cells in tissue culture"

1214. PETROV, F. P. (1929) New Findings in the Reflexology and Physiology of the Nervous System, 3:pp?, Moscow, (In Russian), "The effect of electromagnetic fields on nerve stimulation"

1215. PETROV, F. P. (1935) In: Physicochemical Bases of Higher Nervous Activity, Leningrad, pp. 97-, "Effect of an electromagnetic field on isolated organs"

1216. PETROV, F. P. (1952) Trudy Instituta fiziologii imeni I. P. Pavlova. Akademiia nauk SSSR, Moskva, 1:369-376, "Effect of a low-frequency electromagnetic field on higher nervous activity"

1217. PETROV, I. R. (Ed.), (1967) VMOLA im. S. M. Kirov Publ. House, (USSR), Medical-Biological Problems of SHF-UHF Radiation (In Russ.)

1218. PETROV, I. R. (1968) Voyenno Med. Zh. (Military Med. J.), USSR, (5):21-24, "Factors involved in the etiology of injuries due to SHF-UHF electromagnetic energy"

1219. PETROV, I. R., & SUBBOTA, A. G. (1964) Voyenno Med. Zh. (Military Med. J.), USSR, (9):26-31, "Mechanism of the action of SHF-UHF electromagnetic radiation"

1220. PETROV, I. R., & SUBBOTA, A. G. (1966) Voenno Meditsinskii Zh., (2):16-21, (ATD Abstract (?) 1-9841, pp. 21-,), "Effect of electromagnetic radiations of superhigh frequency range upon the organism" (Review of the literature)

1221. PETROV, I. R., & YAROKHNO, N. Y. (1967) Voyenno Meditsinskii Zh., USSR Military Med. Journal, (7):26-30, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, June 1968, pp. 83-84), "The combined effect on animal organisms of SHF-UHF electromagnetic waves, and breathing of a gas mixture with low oxygen content"

1222. PETROV, I. R., & YAROKHNO, N. Y. (1967) Voyenno-Meditsinskiy Zh., USSR Military Med. Journal, (4):20-21, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, June 1968, pp. 82-83), "Increased resistance to SHF-UHF irradiation under conditions of systematic muscular activity"

1223. PEYTON, M. F. (ed.) (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Knauf, G. M., Chm.) held at New York Univ. Medical Center, 16-18 Aug. 1960, (Plenum Press)

1224. PEZZI, G. (1954) Annali di Medicina Navale e Tropicale 59:473-, "Radar waves in therapy"

1225. PFLOMM, E. (1931) Archiv fur Klinische Chirurgie 166:251-305, (In German), "Experimental and clinical investigations concerning the effect of ultrashort electrical waves on inflammation"

1226. PICCARDI, G. (1959) Ricerca sci. 29:1252-1254, "The structure of water and the influence of low-frequency electromagnetic fields"

1227. PICKET, J., & SCHRANK, A. (1965) Texas J. of Science 17:245-, "Responses of coleoptiles to magnetic and electric fields"

1228. PICKERS, B. A., & GOLDBERG, M. J. (1969) British Medical J. 2:504-506, "Inhibition of a demand pacemaker and interference with monitoring equipment by radio-frequency transmissions"

1229. PIESLAK, W. (1967) Ochrona pracy, Warsaw, 22(8):22-24, (In Polish), (English abstr. in Nuclear Science Abstr. 22(23): #49597, 1968), "Protection from the effects of high frequency electromagnetic radiation"

1230. PINAKATT, T. L., COOPER, T., & RICHARDSON, A. W. (1963) Aerospace Med. 34(6):497-499, "Effect of onabain on the circulatory response to microwave hyperthermia in rat"

1231. PINAKATT, T. L., & RICHARDSON, A. W., (1963) Federation Proceedings 22(2):176-, "Effects of onabain on the circulatory response of the rat to microwave hyperthermia"

1232. PINAKATT, T. L., RICHARDSON, A. W., & COOPER, T. (1965) Archives Internationales de Pharmacodynamie et de Therapie, Gand, Belgium, 156(1):151-160, "The effect of digitoxin on the circulatory response of rats to microwave radiation"

1233. PINNEO, L. R., BAUS, R., McAFEE, R. D., & FLEMING, J. D. (1962) Summary rept., Tulane Univ., New Orleans, La., 24 pages, (AD 277684; RADC-TDR-62-231), "The neural effects of microwave radiation"

1234. PINNEO, L., SPEAR, V., & FLEMING, J. (1961) In: Digest of Internat. Conf. on Medical Electronics, Biological Effects of Microwaves, I (Athermal Aspects), Frommer, P. L., (ed.), p. 227 only, "Relationships involved in considering effects of microwaves in the central nervous system"

1235. PIONTKOVSKIY, I. A. (1936) Nauch Khronika GIFF, Moscow, (2), pp? "The effect of ultrashort waves on reflex excitability"

1236. PIONTKOVSKIY, I. A., & YANOSHEVSKAYA, R. K. (1944) Moscow, (In Russian), Physical Methods of Frostbite Therapy

1237. PIROVANO, A. (1934) In: Proc. of the 1st Internat. Congress of Electro-Radio-Biology, (Cappelli, L., ed.), pp. 134-144, (In Italian with English Summary), "Interaction of electromagnetic fields with biological materials"

1238. PISH, G. W., STOREY, W. H., TRUBY, F., & ROLLWITZ, W. (1959) USAF Report RADC-TR-59-81, (AD 216431), (Also in: Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, Susskind, C., (ed.), pp. 251-270), and (In: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, Knauf, G. M. , (chm.), pp. 33-36), "A preliminary investigation of the applications of magnetic resonance absorption spectroscopy to the study of the effects of microwaves on biological materials"

1239. PISKUNOVA, V. G. (1957) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) (6):27-30, (In Russian), "The health of workers exposed to high frequency electromagnetic fields"

1240. PISKUNOVA, V. G. (1958) Sborn. Rabot i Avtoref Po Voprosam Gig. Tr., Kharkov, pp. 144-146, (Also in: Papers of the Scientific Sessions of the Institute on Questions of Industrial Hygiene in Mining, Chemical, and Machine Construction Industries, Khar'kov, (1956), pp. 45-46), "The health of workers exposed to high frequency electromagnetic fields"

1241. PITENIN, I. V. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF electromagnetic field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 36-38, "Pathological and anatomical changes in animal organs and tissues during the influence of a SHF-UHF electromagnetic field"

1242. PITENIN, I. V., & SUBBOTA, A. C. (1965) Biulleten Eksperimental'noi Biologii i Meditsiny, Moskva, 60(9):55-59, "On the development of gastric ulcer in rabbits following irradiation of the epigastrium with ultrahigh frequency radiation"

1243. PIVIVAROV, M. A. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic field. Kirov Order of Lenin Military Academy, Leningrad, "The effect of microwave fields of low intensity on some physiologic 'detectors'"

1244. PIZZOLATO, P., BERGER, C., & McAFEE, R. D. (1961) Digest of the Internat. Conf. on Medical Electronics, Biological Effects of Microwaves, I (Athermal Aspects), (Frommer, P. L., ed.), Plenum Press, New York, pp. 196-, "Tissue injury from microwave radiation"

1245. PLEKHANOV, G. F. (1965) In: Bionika Gaaze, Rapoport, M. G., & Yakobi, V. E., (eds.), Nauka Publ. House, Moscow, pp. 273-277, (N66-24170; JPRS 35125; TT-66-31562), "Some material on interpretation of information by living systems"

1246. PLEKHANOV, G. F., & VEDYUSHKINA, V. V. (1966) Zh. Vyssh. Nervnoi Deyatel'nosti imeni i p Pavlova, USSR, 16(1):34-37 (N66-26928),"Elaboration of a vascular conditioned reflex in man to a change in the intensity of an electromagnetic field of high frequency [Effect of an EMF on human reflexes]"

1247. PLURIEN, G., SENTENAC-ROUMANOU, H., JOLY, R., & DROUET, J. (1966) Comptes Rendus des Seances de la Societe Biol., Paris, 160:597-599, "Influence of electromagnetic radiation emitted by radar on the phagocytic function of cells in the reticulo endothelial system of mice"

1248. POKORNY, J., & JELINEK, V. (1967) Neoplasma 14(5):479-485, "Investigations of the effect of combined electromagnetic fields on neoplastic malignancy growth - A contribution to the problem"

1249. POKORNY, J., & JELINEK, V. (1968) Casopis Lekaru Ceskych 107(16):474-482, "The effect of coherent electromagnetic field on neoplastic malignant processes"

1250. POL, W. (1962) Lekarz Wojskowy, Poland, (4) 1:318-327, (AD 433135; FTD-TT-63-1070), "Effect of microwaves emitted by radar transmitters on the origin of cataracts"

1251. POLLACK, H., & HEALER, J. (1967) Institute for Defense Analysis, Research & Engineering Support Div., (Internal Report No. N-451;/ "Review of information on hazards to personnel from high-frequency electromagnetic radiation" IDA/HQ 67-6211),

1252. PONOMAREV, A. V. (1940) In: Papers on the Use of Short- and Ultra-short Waves in Medicine, Medgiz, Moscow, pp. 90-, "Action of UHF on micro-organisms and on immuno-biological processes"

1253. PONOMAREV, A. V., & KAMBAROVA, O. I. (1937) In: Biological Action of Ultrahigh Frequency Ultrashort Waves, pp. 193-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Influence of UHF on the nervous system in immunization reactions"

1254. POPOV, N. A., GUBAREV, F. A., VADIMOVA, M. A., & MALEVANNAIA, J. T. (1940) Trudy State Sci. Res. Inst. Fizioterap. 6:314-, (Moscow Gosudarstvenny nauchno-issledovatel'skii institut fizioterapii), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "On local action of diathermy and UHF on the so-called vegetative centers of the brain"

1255. POPOV, N. A., & MARKOVNIKOVA, YE. P. (1940) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 6(1):pp?, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "The problems of the effect of a high frequency electromagnetic field on the vegetative cerebral centers" [Discusses reduction of blood sugar level by irradiation of the head of dogs with UHF]

1256. POTTER, R. R. (1961) U. S. Naval Weapons Laboratory, Technical Memorandum No. W-2/61 (Jan.), "Proposed Naval weapons design requirements to preclude hazards from environmental electromagnetic fields"

1257. POVZHITKOV, V. A., TYAGIN, N. V., & GRESESHECHNIKOVA, A. M. (1961) Biulleten Eksperimental'noi Biologii i Meditsiny, Moskva, 51(5):103-109 (Abstr. in: Biological Abstracts, 37, No. 12874 (1962)), "The influence of SHF pulsed electromagnetic field on conception and the course of pregnancy in white mice" *in English Transl. 51, pp. 615-618 (1961),

1258. POWELL, C. C. (1959) Amer. J. of Public Health 49:1-9, "Radiation hazards"

1259. POZOS, R. S., RICHARDSON, A. W., & KAPLAN, H. M. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Medical College of Va., Richmond, 17-19 Sept., Bureau of Radiological Health/ Division of Biological Effects, Rept. No. 70-2, pp. 70-75, "Non-uniform biophysical heating with microwaves"

1260. PRATT, C. B., & SHEARD, C. (1935) Arch. of Physical Therapy 16:268-271, "Thermal changes produced in tissues by local applications of radiothermy"

1261. PRATT, C. B., & SHEARD, C. (1935) Protoplasma 23:24-33, "The effects of intravenous injection into rabbits of strains of streptococci which have been exposed to the high-frequency field"

1262. PRAUSNITZ, S., & SUSSKIND, C. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3:33-45, "Temperature regulation in laboratory animals irradiated with 3-cm microwaves"

1263. PRAUSNITZ, S. & SUSSKIND, C. (1962) In: "Nonthermal Effects of Microwave Radiation", Scientific Rept., Institute of Engineering Research, Univ. of Calif., Berkeley, Series No. 60, Issue No. 478, (Also, Institute of Radio Engineers Trans. on Bio-Medical Electronics, BME-9:104-108), "Effects of chronic microwave irradiation on mice"

1264. PRAUSNITZ, S., SUSSKIND, C., & VOGELHUT, P. O. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.),/"Longevity and cellular studies with microwaves" pp. 135-142

1265. PRESMAN, A. S. (1954) Gosenergoizdat, Moscow, Centimeter Waves

1266. PRESMAN, A. S. (1954) In: Annotations of Scientific Works of the Academy of Medical Sciences of the USSR, Moscow, pp. 479-, "An instrument for measuring the intensity of irradiation of 10-centimeter waves in industrial conditions"

1267. PRESMAN, A. S. (1956) Gigiena i Sanitariya, USSR, _(9):32-37, "The electromagnetic field as a hygienic factor"

1268. PRESMAN, A. S. (1956) Uspekhi Sovremennoy Biologii, USSR, (Progress of Modern Biology) 41(1):40-54, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (OTS-59-21107), "Physical aspects of the biological action of centimeter waves"

1269. PRESMAN, A. S. (1956) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 43(2):51-54, "Temperature changes of the human skin irradiated with low intensity waves several centimeters in length"

1270. PRESMAN, A. S. (1957) Biulleten Eksperimental'noi Biologii i Meditsiny, Moskva, 43(2):51-54, "Change in the human body and skin temperature due to irradiation with low-intensity electromagnetic waves several centimeters in length"

1271. PRESMAN, A. S. (1957) Gigiena i Sanitariya, USSR, _(1):29-35, (OTS-59-21101, H-3825), "Methods of evaluation of the effective energy of the electromagnetic field under industrial conditions"

1272. PRESMAN, A. S. (1957) Proc. of the Jubilee Scientific Session of the Institute of Labor Hygiene and Occupational Diseases, Moscow, pp. 72-, "The hygienic evaluation of high-frequency electromagnetic fields"

1273. PRESMAN, A. S. (1958) Biofizika 3(3):335-338, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, 1965, pp. 69-70, "Methods of irradiating animals with UHF fields"), (Also, Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Methods of experimentally irradiating small animals with centimeter waves"

1274. PRESMAN, A. S. (1958) Gigiena i Sanitariya, USSR, _(1):21-27, "Method of protection from the action of radio frequency electromagnetic fields under industrial conditions"

1275. PRESMAN, A. S. (1960) In: Physical Factors of the Environment, (Letavet, A. A., ed.), pp. 142-151, "A hygienic evaluation of high frequency electromagnetic fields"

1276. PRESMAN, A. S. (1960) In: Elektronika V Meditsine (Electronics in Medicine), Berg, A. I., (ed.), pp. 219-227, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, pp. 72-74, "The use of microwaves for therapeutic and biological purposes"), (Also, Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Microwaves in physiotherapy and biological investigations"

1277. PRESMAN, A. S. (1960) Novosti Meditsinskoi Tekhniki, Moskva, _(4):51-55, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "An experimental device for the dosed irradiation of rabbits with microwaves in the 10 centimeter range"

1278. PRESMAN, A. S. (1961) Biofizika 6(3):370-371, (In Russian), "Experimental apparatus for microwave irradiation of protein solutions"

1279. PRESMAN, A. S. (1961) Nauka i Zhizn' _(7):88-89, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "More intricate methods of investigation are needed"

1280. PRESMAN, A. S. (1962) In: Summaries of reports, 2nd All Union Conf. on the Application of Radioelectronics in Biology and Medicine, Miiteir, (Publisher?), pp. 21-, "Problems concerning the mechanism of the nonthermal action of microwaves"; and pp. 23-, "Methods of measured irradiation with microwaves in biological experiments"

1281. PRESMAN, A. S. (1963) Biofizika 8(1):138-140, "Excitability in paramecium stimulated with DC and AC pulses"

1282. PRESMAN, A. S. (1963) Biofizika 8(2):258-260, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Effect of microwaves on paramecium" (Letters to the Editor)

1283. PRESMAN, A. S. (1963) Uspekhi Sovremennoy Biologii (Progress of Modern Biology) 56(2):161-179, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68 (1965), pp. 78-79, "Review of the mechanism of the biological effect of microwaves"), (JPRS 22580, Jan. 1964; OTS 64-21190; X64-12357), "Problems of the mechanism of the biological effect of microwaves"

1284. PRESMAN, A. S. (1963) Biol. i Med. Elektronika _(5):56-, "A method of determining the excitation thresholds of the neuromuscular apparatus of animals"; and ibid. (6):76-, "A method of comparative irradiation of protein solutions with microwaves and infrared rays"

1285. PRESMAN, A. S. (1964) Zarubezhnaya Radioelektronika _(3):63-, (Part I), and _(4):67-, (Part II), "Investigation of the biological effect of microwaves"

1286. PRESMAN, A. S. (1964) Biofizika 9(1):131-134, (In Russian), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (Also abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, (1965), pp. 81-82, "The role of electromagnetic fields (EMF) in living processes"), (AD 625857; N66-18516; FSTC 381-T65-601), "The role of electromagnetic fields in living processes"

1287. PRESMAN, A. S. (1965) Nauka i Zhizn' _(6):82-88, (JPRS 31501; TT-65-31997; N65-31004), "Effect of electromagnetic radiations on living organisms"

1288. PRESMAN, A. S. (1965) Uspekhi Fizicheskikh nauk, Moscow, 86(6):263-302, (In: Soviet Physics Uspekhi 8(3):463-488; Amer. Inst. of Physics), (JPRS 33054; N66-12294; TT-65-33631), "The action of microwaves on living organisms and biological structures"

1289. PRESMAN, A. S. (1966) Proc. of Symposium on Problems of Neurocybernetics, Moscow, pp. 41-, "Electromagnetic fields in neurocybernetics"

1290. PRESMAN, A. S. (1966) Proc. of Conf. on the Effect of Magnetic Fields on Biological Objects, Moscow, pp. 59-, "Some general methodological questions of bioelectromagnetic investigations"

1291. PRESMAN, A. S. (1967) In: Questions of Bionics, Nauka, Moscow, pp. 341-, "Electromagnetic fields and regulation processes in biology"

1292. PRESMAN, A. S. (1967) Byulleten Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii, USSR, 52:149-, "The role of electromagnetic fields in evolution and the vital activity of organisms"

1293. PRESMAN, A. S. (1967) Proc. of Symposium on Physics and Biology, Moscow, pp. 13-, "The interaction of physics and biology in the investigation of the biological effect of electromagnetic fields"

1294. PRESMAN, A. S. (1968) Izd-vo Nauka, Moscow, 287 pages, (English Transl. in: USSR Sci. Abstr., Bio-Medical Sciences 62:49-52 (1968)), (In Russian), Electromagnetic Fields and Animate Nature (See also citation #1295)

1295. PRESMAN, A. S. (1970) (Translated from Russian by Sinclair, F. L.) Brown, F. A., Jr., (ed.), Plenum Publ. Co., New York, 332 pages. Electromagnetic Fields and Life: Effects of Electromagnetic Fields on Living Organisms, (Transl. of citation #1294)

1296. PRESMAN, A. S., & KAMENSKIY, YU. I. (1961) Biofizika 6(2):231-233, (In Russian), "Experimental apparatus for studying the excitability of neuromuscular preparations during irradiation by microwaves"

1297. PRESMAN, A. S., KAMENSKIY, YU. I., & LEVITINA, N. A. (1961) Uspekhi Sovremennoy Biologii 51(1):82-103, (In Russian), (JPRS 9451), (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68 (1965), pp. 74-76, "Review of the biological effects of microwaves"), "Biological effect of microwaves"

1298. PRESMAN, A. S., & LEVITINA, N. A. (1962) Part I. Biulleten Eksperimental'noi Biologii i Meditsiny 53(1):41-44; Part II., ibid., 53(2):39-43, (1962), (In Russian), (Part I. Bulletin of Experimental Biology & Med. 52:36-39 (1962), Part II., ibid., 53(2):pp.? (1963), "Nonthermal action of microwaves on cardiac rhythm: Communication I. A Study of the action of continuous microwaves; Communication II. The action of pulsed microwaves"); (Part I: AD 288404; FTD-TT-62-278-1, 2, & 4; Part II: AD 283882); (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, (1965), Part I, pp. 38-39; Part II, pp. 40-41, "Nonthermal effect of pulsed microwaves on mammalian cardiac rhythm"); (Also abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "The nonthermal effect of microwaves on the systolic rhythm of animals. Report No. I, The effect of non-pulsed microwaves"; Report No.II, "The effect of pulsed microwaves"

1299. PRESMAN, A. S., & LEVITINA, N. A. (1962) Radiobiologiya 2(1):170-171, (In Russian), (AEC TR-5428, pp. 258-; TID-3912, pp. 447-), "Influence of nonthermal microwave radiation on the survivability of gamma irradiated animals"

1300. PRESMAN, A. S., & RAPPEPORT, S. M. (1964) Biologicheskie Nauki (formerly Nauchnye Doklady Vysshei Shkoly Biologicheskie Nauki) USSR, _(1):48-, "New data on the existence of an excitable system in paramecia. I. Reactions of paramecia to direct current pulses"; ibid. _(3):44-, "II. Reactions of paramecia to ac pulses"

1301. PRESMAN, A. S., & RAPPEPORT, S. M. (1965) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 59(4):48-52, (In Russian); (In English, Bulletin of Experimental Biology and Medicine 59(?):pp.? (1965)), "Effect of microwaves on the excitable (sensory) systems of paramecia"

1302. PROKTOVA, T. N. (1956) Vysshei Nervnoi Deyatel'nosti imeni i p Pavlova, USSR, 6(6):846-854, (Also in Psychological Abstracts 32(3), No. 2398 (1958)), "The effect of a continuous UHF electrical field on the higher nervous activity of dogs under normal and pathological conditions"

1303. PUHARICH, H. K. & LAWRENCE, J. L. (1964) Report, 77 pages, (AD 459956; RADC TDR-64-18), "Electro-stimulation techniques of hearing"

1304. PUKHOV, V. A. (1965) Pathologicheskaia Fiziologia i Eksterimental'naia Terapiia (Moskva) 9(6):72-73, (JPRS 36,906), "SHF-UHF electromagnetic wave effects on mice cause induced changes of the functional state of the central nervous system"

1305. PUSCHER, H. (1966) Springer-Verlag, New York, 337 pages, Heating with Microwaves - Fundamentals, Components, and Circuit Techniques

1306. QUON, K. C. (1960) U. S. Navy Medical News Letter 36(10):29-34 (18 Nov.), (Originally in: Industrial Med. & Surgery 29: 315-318 (July), "Hazards of microwave radiation"

1307. RAE, J., JR., HERRICK, J. F., WAKIM, K., & KRUSEN, F. (1949) Arch. of Physical Med. 30:199-211, "A comparative study of the temperatures produced by microwave and shortwave diathermy"

1308. RAE, J., JR., MARTIN, G., TREAMOR, W., & KRUSEN, F. (1950) Proc. of Staff Meetings, Mayo Clinic, 25:441-446, "Clinical experience with microwave diathermy"

1309. RAICHILSON, R. R., & EMERY, E. (1951) Lockheed Aircraft Corp., California, Rept. ERM 5217, "Deleterious effects of the radar beam"

1310. RAJEWSKY, V., & SCHWAN, H. (1948) Naturwissenschaften 10:315-, "The dielectric constant and conductivity of the blood at ultra-high frequencies"

1311. RANDALL, B. F., IMIG, C. J., & HINES, M. H. (1952) Arch. of Physical Med. 33:73-81, "Effects of some physical therapies on blood flow"

1312. RASSADIN, A. M. (1965) Trans. Sci. Conf. of the Central Sci. Lab. Tomsk, (2):357-359, "Dependence of morphological changes in the kidneys on their functional load under the action of a low frequency electromagnetic field"

1313. RAWLS, O. B., GRAYSTON, C. M., & McDONALD, B. M. (1959), (AFMTC-TN-59-4 (C)), (Classified) "RF radiation hazards; Air Force Missile Test Center Ordnance - Bio-effects - Fuel"

1314. RAWLS, O. B., STILWELL, R. J., & McDONALD, B. M. (1961) RCA Service Co. report, 103 pages, (WO-047832), (AD 260721; AFMTC TR-61-14), "RF radiation hazards: fuel, ordnance, and bio-effects"

1315. REINBERG, G. L., MOGHISSI, A. A., & PEPPER, E. W. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Medical College of Va., Richmond, 17-19 Sept., Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 101-103, "Effects of microwaves on optical activity"

1316. REINS, D. A., & WEISS, R. A. (1969) Work Order No. 523-003-10, Navy Clothing and Textile Research Unit, Natick, Mass., "Physiological evaluation of effects on personnel wearing the microwave protective suit and over-garment"

1317. REINER, S. (1967) In: Therapeutic Electricity and Ultraviolet Radiation, Licht, S. H., (ed.) 2nd edition, Licht, E., Publisher, New Haven, Conn., (Vol. 4 of Physical Medicine Library), Chapt. 2, pp. 70-104, "Instrumentation for electrotherapy"

1318. REITER, P. J. (1936) Zentralblatt fur die gesamte Neurologie and Psychiatrie 155:382-404, (In German), "The biological effect of shortwaves on the brain and investigation of a therapy for chronic brain diseases"

1319. REITER, T. (1933) British J. of Physics 8:119-, "Some investigations of short waves"

1320. REVIGLIO, G. M. (1934) Abstr. of the 1st Internat. Congress of Electro-Radio-Biology, Cappelli, L., (ed.), Bologna, Italy, pp. 387-395, (In Italian with English summary), "On the topic of short wave diathermic generators"

1321. REVUTS'KYY, YE. L. (1964) Akademiya nauk UKRSSR. Fiziologichnyy Zh. 10(5):636-640, (JPRS 27982; no6-1505), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "The effect of high-frequency (13.56, 39 to 41, and 2375 Mc) electromagnetic oscillations on the motor function of the human stomach"

1322. REVUTS'KYY, YE. L. (1965) Akademiya nauk UKR SSR, Fiziologichnyy Zh., 11(3):380-384, (Abstr. only in ATD Press, Special Issue, "Biomedical Microwave Research", 4(43), Aug, 1965), "The effect of HF, VHF, and UHF radiation on the secretory and excretory functions of the human stomach"

1323. REVUTS'KYY, YE. L., & EYDEL'MAN, F. M. (1964) Fiziologichnyy Zh. Akademiya nauk UKR SSR, 10(3):379-383, (Abstr. in Biological Effects of Microwaves, ATD P-65-68, Sept. 1965, pp. 14-18, "Effects of meter and centimeter waves on human hemodynamics"), N64-31540; (Also, Biological Abstracts (Biophysics Section) 46:430, (196_), #5407), "Effect of centimeter and meter waves on the content of biologically active substances in human blood"

1324. REYNOLDS, M. R. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 71-84, 'Development of a garment for protection of personnel working in high-power RF environments"

1325. REYZIN, M. S., & MOTSNYI, P. E. (1939) Dnepropetrovsk, Universitet, Institut Fiziologii Sbornik rabot, 2:21-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (Title not given), [Deals with induced changes in nerve upon UHF exposure]

1326. REZNIKOVA, L. (1937) Biologicheskoye deystviye UVCh. Simpozium, (Biological effect of ultra-high frequencies. Symposium' Moscow, pp. 373-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), (Title not given), [Discusses biochemical analysis of UHF irradiated tissue]

1327. RICCIONI, B. (1934) In: Abstr. of the 1st Internat. Congress of Electro-radio-biology, Cappelli, L., (ed.), Bologna, Italy, pp. 152-229, (In Italian with English summary), "On the increase in grain production by the preliminary electrical exposure of the seed"

1328. RICHARD, W., & LOOMIS, A. (1927) Proc. of the National Academy of Sciences 15:58 .ielectric losses in electrolyte ..ti-tions in high frequency fields"

1329. RICHARDSON, A. J. (1954) J. of Physical Med. 33(2):103-107, "Effect of microwave induced heating on the blood flow through peripheral skeletal muscles"

1330. RICHARDSON, A. W. (1955) British J. of Physical Med. 18(7):143-, "The effectiveness of microwave diathermy therapy as a hyperthermic agent upon vascularized and avascular tissue"

1331. RICHARDSON, A. W. ((197) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation, (Pattishall, E. G., ed.) 1:109-110, "Abstract of report on pathologic effects of three centimeter microwaves of low magnitude, and demonstration of dosimeters to assay accumulated microwave energy"

1332. RICHARDSON, A. W. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy, (Pattishall, E. G., & Banghart, F. W., eds.), 2:169-174, "Review of the work conducted at University of St. Louis (USN sponsored)"

1333. RICHARDSON, A. W. (1959) Blood 14(11):1237-, "Blood coagulation changes due to electromagnetic microwave irradiations"

1334. RICHARDSON, A. W. (1959) In: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, (Knauf, G. H., Chm.), (RADC-TR-59-67, pp. 37-41; AD 214693; Also? AD 131477), "Review of work conducted at St. Louis Univ. School of Medicine"

1335. RICHARDSON, A. W. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3:244-250, (RADC-TR-59-140; AD 234788), "New microwave dosimetry and the physiologic need"

1336. RICHARDSON, A. W. (1966) St. Louis Univ. School of Medicine, (NONR-130402), (AD 484726L), "Studies concerned with the biologic effects of microwave irradiations of different frequencies"

1337. RICHARDSON, A. W. (1968) Scientia (Milan) 103:447-453, (Abstr. in: Nuclear Science Abstracts 23(19):3978, #38860, 1969), "Biologic effects of non-ionizing electromagnetic radiations"

1338. RICHARDSON, A. W., DUANE, T. D., & HINES, H. M. (1948) Arch. of Physical Med. 29(12):765-769, "Experimental lenticular opacities produced by microwave irradiations"

1339. RICHARDSON, A. W., DUANE, T. D., & HINES, H. M. (1951) Amer. Medical Assoc. Arch. of Ophthalmology 45:382-386, "Experimental cataract produced by three centimeter pulsed microwave irradiations"

1340. RICHARDSON, A. W., IMIG, C. J., FEUCHT, B. L., & HINES, H. M. (1950) AMA Arch. of Physical Med. 31:19-25, "The relationship between deep tissue temperature and blood flow during electromagnetic irradiation"

1341. RICHARDSON, A. W., LOMAX, D. H., NICHOLS, J., & GREEN, H. D. (1952) Amer. J. of Ophthalmology 35:993-, "The role of energy, pupillary dimeter and alloxan diabetes in the production of ocular damage by microwave irradiations"

1342. RICHARDSON, A. W., et al. (1969?) From: Systems Engineering and Consultant Corp., Tulsa, Oklahoma, "Microwave/radar radiation measuring instrument (advanced information)"

1343. RICHARDSON, P. D., & WHITELAW, J. H. (1967) In: Digest of the 7th Internat. Conf. on Medical and Biological Engineering, (Jacobson, B., ed.), Stockholm, p. 398 only, "The response of human skin to localized heat sources"

1344. RICHTER, W. R. (1964) U. S. Army Medical Research Laboratory Rept. 600, (AD 440272), 12 pages, "Effects of RF energy on tissue cultures"

1345. RIEKE, F. E. (1953) Industrial Medicine & Surgery 23:328-, "Unplanned radio wave diathermy at place of work"

1346. RIVIERE, H. R., PRIORE, A., & BERLUREAU, F. (1964) Comptes Rendus acad. sci. 259:4895-4897, (In French) "Effect of electromagnetic fields on implanted T-8 tumors in the rat"

1347. RIVIERE, H. R., PRIORE, A., & BERLUREAU, F. (1965) Comptes Rendus acad. sci. 260:2099-2102, (Also, Semaine des Hopitaux Informations, Paris, 11:6-,) "Effect of electromagnetic fields on transplantable lymphoblastic sarcoma in the rat", (In French)

1348. RIVIERE, H. R. PRIORE, A., & BERLUREAU, F. (1965) Semaine des Hopitaux Informations Paris, 11:3-, (In French), "Action of electromagnetic fields on skin graft of T-8 tumor in the rat"

1349. RIVIERE, H. R., PRIORE, A., & BERLUREAU, F. (1965) Comptes Rendus acad. sci. 260:2639-2643, (In French), "Regression phenomenon observed on the skin grafts of lymphosarcoma in mice exposed to ultra-high frequency electromagnetic radiation"

1350. ROBERTS, A. M. (1969) Nature (London) 223(5206):639 only, "Effect of electric fields on mice"

1351. ROBERTS, A. M. (1970) J. of Theoretical Biology 27(1):97-106, "Motion of Paramecium in static electric and magnetic fields"

1352. ROBERTS, J. E., & COOK, H. F. (1952) British J. of Applied Physics 3:33-40, "Microwaves in medical and biological research"

1353. ROCK, J. (1969) Medical Aspects of Human Sexuality 3(9):45 only, "Scrotal temperature and fertility"

1354. RODICHEVA, E. K., GITELZON, I. I., & TERSKOV, I. A. (1965) Trans. of Sci. Conf. Central Sci. Lab., TOMSK, (2):319-322, (The Biological Effects of Electromagnetic Fields), "The effect of constant electric and alternating electromagnetic fields on the biosynthesis of chlorella during continuous culture"

1355. ROFFO, A. E., JR. (1934) In: Abstr. of the Internat. Congress of Electro-radio-biology, Cappelli, L., (ed.), Bologna, Italy, pp. 230-242, (In French with English summary), "Modification of electrocardiographic results produced by the application of high frequency electromagnetic fields"; ibid., pp. 396-414, "Relation of high frequency electromagnetic fields on cellular multiplication of in vitro tissue cultures"; and ibid., pp. 415-439, "Action of high frequency electromagnetic fields on photodynamics of colored materials in the heart of bacteria"

1356. ROGERS, S. J. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., Ed.), Medical College of Virginia, Richmond, 17-19 Sept. 1969, Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 222-232, "Radio frequency radiation hazards to personnel at frequencies below 30 MHz"

1357. ROGOVAYA, T. Z., TROITSKIY, S. A., & LASHCHENKO, N. S. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves. Moscow, p. 34 only, "The state of health of workers having long contact with high frequency electromagnetic equipment"

1358. ROHRSCHNEIDER, W. (1955) Munch. Med. Wschr. 97:33-37, "Radiation damage and protection for the eye against radiation"

1359. ROLLWITZ, W. L. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy, (Pattishall, E. G., & Banghart, F. W., eds.) 2:254-264, "Review of the work conducted at Southwest Research Institute on the use of electron paramagnetic resonance to evaluate the chemical and/or physical changes in the lenses of eyes irradiated by microwaves (USAF sponsored)"

1360. ROLNICK, H. C. (1935) Arch. of Physical Therapy 16:391-393, "Status of electrosurgical prostatic resection"

1361. ROMAN, J. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy, (Pattishall, E. G., & Banghart, F. W., eds.), 2:70-78, "Radio frequency hazards aboard naval ships"

1362. ROMAN, J. (1959) The Engineer's Digest, CG-133, No. 118 (Sept.-Oct.), pp. 39-, "Calculating power densities in the vicinity of radar antennas"

1363. ROMANOV, V. I. (1940) Trans. of the 1st Conf. on Problems in the Application of Shortwaves and Ultrashort Waves in Medicine, Medgiz, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "High frequency fields as a method of studying molecular structures"

1364. RONALD, K. (1962) Canadian J. of Zoology 41(2):197-217, "The effects of physical stimuli on the larval stage of Tenanova decipiens. III. Electromagnetic spectum galvanotaxis"

1365. ROSE, D. L., & MEAD, S. (1948) Arch. of Physical Medicine 29:637-642, "Electrical tests of sensation" (Voltage-duration curves of tactile sensation and pain)

1366. ROSENSTEIN, M., BRILL, W. A., & SHOWALTER, C. K. (1969) U. S. Dept. of Health, Education, and Welfare; Public Health Service; Consumer Protection & Environmental Health Services, Environmental Control Admin., Bureau of Radiological Health, Rockville, Md., Rept. No. OCS 69-1, "Radiation exposure overview: Microwave ovens and the public"

1367. ROSENTHAL, S. W., BIRENBAUM, L., GROSOF, G. M., & ZARET, M. M. (1967) Digest of the 7th Internat. Conf. on Medical and Biological Engineering, (Jacobson, B., ed.), p. 399 only, "A study of the cataractogenic effect of microwave radiation"

1368. ROSENTHAL, S. W. (Moderator), FREY, A., LEMASTER, F., BOWMAN, R. R., RECHEN, H., OSEPCHUCK, J., & MICHAELSON, S. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Medical College of Virginia, Richmond, 17-19 Sept., Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 233-247, "Panel Discussion I: Microwave measurements method and standards for biological research and hazard surveys"

1369. ROTH, E. M. (Ed.) (1968) Compendium of Human Responses to the Aerospace Environment 1(1):1-22, (Document # NASA CR-1205(1); N-69-12435), "Microwave radiation"; (Also, "Magnetic Fields", Section 4, pp. 1-7, N69-12438)

1370. ROTHMEIER, J. (1970) Proc. of the 3rd Annual National Conf. of the Neuro-Electric Society, "The Nervous System and Electric Currents", (Wulfsohn, N. L., & Sances, A., Jr., eds.), 23-25 Mar., Las Vegas, Plenum Press, New York, pp. 57-69, "Effect of microwave radiation on the frog sciatic nerve"

1371. ROYER, R., WAKIM, K., LEVESTEOR, S., & KRUSEN, F. (1950) Arch. of Physical Medicine 31:557-566, "Influence of microwave diathermy on swelling and trismus resulting from odontectomy"

1372. ROZANOVA, O. S. (1939) Fizioterapiya (2):pp.? "Significance of the frequency factor for the bioeffects of a HF-VHF electric field"

1373. ROZENBERG, P. A., & GELFON, I. A. (1966) Gigiena Truda i Professional'nye Zabolevaniia (Moskva) (5):52-53, "The effect of VHF-HH therapy on the silicon content in the lungs and bifurcated lymph nodes during experimental silicosis"

1374. RUBIN, A., & ERDMAN, W. J. (1959) Amer. J. of Phys. Med. 38:219-220, "Microwave exposure of the human female pelvis during early pregnancy and prior to conception"

1375. RUBIN, L., & VOROG'YEV, I. (1936) Kurortologii i Fizioterapii 1:11-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), (Title not given), [Deals with temperature rise and suppression of nervous excitation of in vitro frog muscle]

1376. RUDGE, A. W., & KNOX, R. M. (1970) U. S. Dept. of Health, Education, and Welfare, Public Health Service Publication No. BRH/DEP 70-16, 69 pages (limited distribution), "Near-field instrumentation"

1377. RUTKOWSKI, A. & CHRISTIANSON, C. (1965) Progress Rept. 1, Naval Applied Science Lab., Brooklyn, "Development of a radiation hazard protective suit and RF measuring techniques"

1378. SACCHITELLI, G., & SACCHITELLI, F. (1956) Folia Medica, Naples, 39:1037-, (In Italian), "The action of radar microwaves on plasma lipases and serum amylase"

1379. SACCHITELLI, G., & SACCHITELLI, F. (1958) Folia Medica, Naples 41:345-, (In Italian), "On the behavior of blood glutathione following irradiation with radar microwaves"

1380. SACCHITELLI, F., & SACCHITELLI, G. (1960) Folia Medica, Naples, 43:1219-1229, (In Italian), (FTD-TT-65-1497/1+3+4, Jan. 1967), "On the protection of personnel exposed to radar microwaves"

1381. SACCHITELLI, F., & SACCHITELLI, G. (1960) Minerva fizioterap. 5:201-203, (In Italian), "On the analgesic effect of radar microwaves on caisson disease"

1382. SADCHIKOVA, M. N. (1957) In: Summaries of reports, Part 2. Jubilee Scientific Session of the Institute of Labor Hygiene and Occupational Diseases, Dedicated to the 40th Anniv. of the Great October Socialistic Revolution. Moscow. (Title not given)

1383. SADCHIKOVA, M. N. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSR, (1):32-35, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965); (Also, Abstr. in: The Biological Action of UHF, (Letavet, A. A., & Gordon, Z. V., eds.), Moscow, pp. 25-29, JPRS 12471), State of the nervous system under the influence of SHF-UHF fields"

1384. SADCHIKOVA, M. A. (1960) In: Physical Factors of the Environment, (Letavet, A. A., ed.), pp. 177-183, "State of the nervous system under the influence of SHF-UHF fields"

1385. SADCHIKOVA, M. N. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR, (2):110-113, (Abstr. in: The Biological Action of Radio-Frequency Electromagnetic Fields, Moscow), "Clinical aspects of changes within the nervous system induced by the action of radio waves of various frequencies"

1386. SADCHIKOVA, M. N., & ORLOVA, A. A. (1958) Gigiena Truda i Professional'nye Zabolevaniya (MOSKVA), 2(1):16-22, (In Russian), (JPRS L1451D; OTS-59-11437), "Clinical picture of the chronic effect of electromagnetic centimeter waves"

1387. SADCHIKOVA, M. N., & ORLOVA, A. A. (1960) Nauchno-issledovatel'skiy institut gigiyeny truda i profzabolevaniy, Trudy _(10): 25-29, (Abstr. in: The Biological Action of UHF, (Letavet, A. A., & Gordon, Z. V., eds., Moscow, JPRS 12471); (Also, Abstr. in: The Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, (1965), p. 9 only, "Effect of UHF on the human nervous system"), "State of the nervous system under the influence of UHF"

1388. SAFONOV, YU. D., PROVOTOROV, V. M., YAKIMENKOV, L. I., & LUBE, V. M. (1967) Biulleten Eksperimental'noy Biologii i Meditsiny 64(9):111-113, (ATD Abstr. 3(6/54)), "Method of recording the magnetic field of a heart-magnetocardiography"

1389. SAITO, M., & SCHWAN, H. P. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 85-97, "The time constants of pearl-chain formation"

1390. SAITO, M., SCHWAN, H. P., & SCHWARZ, G. (1966) Biophysical J. 6(5):313-327, "Response of nonspherical biological particles to alternating electric fields"

1391. SAITO, M., SHER, L. C., & SCHWAN, H. P. (1961) Digest of Internat. Conf. on Medical Electronics and Medical and Biological Engineering 4:154 only, "RF field-induced forces on microscopic particles"

1392. SALATI, O. M. (1959) In: Investigators Conf. on Biological Effects of Electronic Radiating Equipments, (Knauf, G., Chm.), Patrick Air Force Base, Florida, 14-15 Jan., RADC-TR-59-67, July 1959, pp. 26-30, (AD 214693), "Microwave absorption measurements"

1393. SALATI, O. M., ANNE, A., & SCHWAN, H. P. (1962) Electronic Industries, (Nov.) _(11):96-101,"Radio frequency radiation hazards"

1394. SALATI, O. M., & SCHWAN, H. P. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.), 3:107-112, "A technique for relative absorption cross-section determination"

1395. SALEV, A. P. (1964) Voronezh, Izd-vo Voronezh. Univ., pp. 50-58, "The effect of the energy of an electromagnetic field of varying frequency on the secretion of the salivary glands"

1396. SALISBURY, W. W., CLARK, J. W., & HINES, A. M. (1948) Collins Radio Co., (Report #CER-153, Rand - P-58), 14 pages, "Physiological damage due to microwaves"

1397. SALISBURY, W. W., CLARK, J. W., & HINES, H. M. (1949) Electronics 22:66-67, "Exposure to microwaves"

1398. SALOTTI, A., & FIORENZI, ?, (1934) Proc. of the 1st Internat. Congress of Electro-Radio-Biology (Cappelli, L., ed.), Bologna, Italy, pp. 440-444, (In Italian with English summary), "Results of research on the influence of microwaves of wavelength 60-70 cm on plants"

1399. SANCES, A., JR., & LARSON, S. J. (1965) Digest of 6th Internat. Conf. on Medical Electronics and Biological Engineering, (Iwai, Y., ed.) pp. 113-114, "Electrotonic solution of rectangular electrical anesthesia currents applied to model neurons"

1400. SANTHA, A. (1968) Honvedorvos, (Apr-Jun), _(2):198-205, "Investigations on the relations between the biological effects of ionizing radiation and electromagnetism"; "Part 2: Joint effect of ionizing radiation and electromagnetism on the growth of the root of Vicia Faba"

1401. SAREL, M., et al. (1961) Zeitschrift fur die gesamte Hygiene und Ihre Grenzgebiete (Berlin) 7:897-, (In German), "Concerning the effect of electromagnetic radar waves (cm wavelength) on the nervous system of man"

1402. SAWINSKA, A., BIELSKI, J., & WALASZKOWSKI, A. (1967) Przeglad Lekarski, Cracow, 23:742-744, "Health conditions of workers at radio and television stations exposed to the high frequency electromagnetic field"

1403. SAZONOVA, T. YE. (1964) Vestnik Leningradskogo Universiteta, Seriya Biologii, USSR, 19(3):109-116, "Effect of low frequency electromagnetic fields on the motor function of animals (Biol. Ser. No. 1)"; and ibid., 19(15):82-86, "The effect of a high gradient low frequency electromagnetic field on the efficiency of an altered motor structure (Biol. Ser. No. 3)"

1404. SAZONOVA, T. YE. (1964) Author's Abstr. of Candidate's Dissertation, Leningrad, "Functional Changes in an Organism Due to Work in a Hig.-Intensity Electric Field at Industrial Frequencies"

1405. SCELSI, B. (1957) Radioterapia Radiobiologia Fisica Medica 12:135-, (In Italian), "Thermogenesis by ultrasound and ultra-high frequency electromagnetic (radar) waves on organic, not-living tissues"

1406. SCHAEFER, H., & SCHWAN, H. (1943) Annalen Physik 43:99-135, (In German), "Concerning the question of selective heating of small particles in the ultrashort wave condenser field"

1407. SCHAEFER, H., & SCHWAN, H. (1947) Strahlentherapie 77:123-130, "Concerning the question of selective overheating of single cells in biological tissue by means of ultrashort wave currents"

1408. SCHAFFER, M. B. (1962) Report (Rand-P-2558-1), 38 pages, "The thermal response of small animals to microwave radiation"

1409. SCHAIBLE, J. P., & KNUDSEN, A. (1929) Reported at 13th Internat. Physiological Congress., "Chemical changes in the body resulting from exposure to ultra-high frequency fields"

1410. SCHASTNAYA, P. I. (1955) In: Trudy Khar'kovskogo Meditsinskogo Instituta, (Collection of Scientific Works of Kharkov Medical Institute), 13: pp. 170-, "The effect of SHF fields on microorganisms"

1411. SCHASTNAYA, P. I. (1957) In: Trudy Khar'kovskogo Meditsinskogo Instituta, USSR, 15: 9-, "The effect of electromagnetic waves of superhigh frequency on microorganisms"

1412. SCHASTNAYA, P. I. (1958) Trudy Khar'kovskogo Meditsinskogo Instituta, USSR, 16:359-, "The effect of SHF radiowaves on the colon bacillus"

1413. SCHEIE, H. G., & JEROME, B. (1949) Amer. J. of Ophthalmology 32:60-78, (une, pt. 2), "Electrocoagulation of the sclera: reduction in ocular volume and pathologic changes produced"

1414. SCHERESCHEWSKY, J. W. (1926) Public Health Reports 41:1939-, "The physiological effects of currents of very high frequency (135,000,000 to 8,300,000 cps)"

1415. SCHERESCHEWSKY, J. W. (1928) Public Health Reports 43(16):927-939, "The action of currents of very high frequency upon tissue cells, A. Upon a transplantable mouse sarcoma"

1416. SCHLIEPHAKE, E. (1935) Actinic Press, London, (Authorized English transl. of 2nd and enlarged German edition), 238 pages, Short Wave Therapy - The Medical Use of Electrical High Frequencies

1417. SCHLIEPHAKE, E. (1950) British J. of Physical Medicine 13:145-152, "Supersonic and ultrashort waves"

1418. SCHLIEPHAKE, E. (1952) Stuttgart, (In German), Short-Wave Therapy

1419. SCHLIEPHAKE, E. (1960) Zbl. Chir. 85:1063-1066, "Endocrine influence on bleeding and coagulation time"

1420. SCHLINK, F., et al. (1954) British J. of Physical Medicine 17:39-42, "Effect of ultrashort wave diathermy on blood"

1421. SCHULTZ, C. A., GRAY, O. S., SANDERS, H., & FELLOWS, O. N. (1970) Presented before the New York Academy of Sciences at the Symposium entitled "Effect of Controlled Electromagnetic Energy on Biological Systems", (Nov), 5 pages, "The effect of electromagnetic controlled energy on viruses in human blood"

1422. SCHULTZ, F. V., BURGENER, R. C., & KING, S. (1958) Proc. of the Institute of Radio Engineers 46:476-, "Measurement of the radar cross section of a man"

1423. SCHVARTS, J. I. (1945) Frunze, Local Reflex Changes Under the Influence of Local Action of UHF Fields on the Cervico-Thoracic Segments of the Spinal Cord

1424. SCHWAN, H. (1948) Zeitschrift fur Naturforschung (Tubingen) 3B:361-367, (In German), "Temperature dependence of the dielectric constant of blood at low frequencies"

1425. SCHWAN, H. (1950) Ann. Phys. 6:253-, "Resonance method for the determination of complex resistances of substances at decimeter wavelengths"

1426. SCHWAN, H. (1953): Amer. J. of Physical Med. 32:144-, "Electrical properties of blood at ultrahigh frequencies"

1427. SCHWAN, H. (1953) Zeitschrift fur Naturforschung (Tubingen) 8B:3-10, (In German), "Measurement of electrical constants and complex-resistances in biological materials"

1428. SCHWAN, H. (1954) Zeitschrift fur Naturforschung (Tubingen) 9B(8):245-251, (In German), "The electrical characteristics of muscle tissue at low frequencies"

1429. SCHWAN, H. P. (1955) Institute of Radio Engineers, Trans. PGI4:75-83, (Also: Tech. Rept. #15, Univ. of Pennsylvania, to Office of Naval Research, 23 pages), (AD 56691), "Application of UHF impedance measuring techniques in biophysics"

1430. SCHWAN, H. P. (1955) Institute of Radio Engineers, Trans. on Medical Electronics, 3:32-46, "Electrical properties of body tissues and impedance plethysmography"

1431. SCHWAN, H. P. (19__) Electromedical Lab., Moore School of Electrical Engineering, Univ. of Pennsylvania, "Survey of microwave absorption characteristics of body tissue"

1432. SCHWAN, H. (1956) In: Handbook of Biological Data, National Research Council, Washington, D. C., "Electrical properties measured with alternating current: body tissues"

1433. SCHWAN, H. P. (1956) J. of the Amer. Medical Assoc. 160:191-197, "The biophysical basis of physical medicine"

1434. SCHWAN, H. P. (1957) Final Rept. from Univ. of Penna. on ONR Contract (1 July 1954 to 30 June 1957) 11 pages, (AD 149535), "Influence of electromagnetic radiation on biological material"

1435. SCHWAN, H. P. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.), 1: 59-63, "The physiological basis of RF injury (Abstract)"

1436. SCHWAN, H. P. (1957) In: Advances in Biological and Medical Physics, 5, (Lawrence, J. H., & Tobias, C. A., eds.), Academic Press, Inc., New York, pp. 147-209, (Tech. Rept. #20, Univ. of Penna.), (AD 132533), "Electrical properties of tissues and cell suspensions"

1437. SCHWAN, H. P. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G. & Bamhart, F. W., eds.) 2, (Rome Air Dev. Center, ARDC-TR-58-54, pp. 126-145 (AD-131477); (Also: ONR Technical Rept #25), "Survey of microwave absorption characteristics of body tissue"

1438. SCHWAN, H. P. (1958) Annual Progress Rept. on ONR Contract, Univ. of Penna. (AD 207468), "Properties of biological material"

1439. SCHWAN, H. P. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G. & Bamhart, F. W., eds.) 2:33-48, (Also, ONR Technical Rept. #24 of the Univ. of Penna.; AD 220125), "Molecular response characteristics to ultra-high frequency fields"

1440. SCHWAN, H. P. (1958) In: Therapeutic Heat, Physical Medicine Library, 2, (Licht, S. H., ed.), Licht, E., Publisher, New Haven, Conn., Chapt. 3, pp. 55-115, (Also: Tech. Rept. #21 from Univ. of Penna. to ONR, AD 149534), "Biophysics of Diathermy"

1441. SCHWAN, H. P. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiation Equipments (Susskind, C., ed.) 1:94-106, (RADC-TR-59140; AD 234788), "Theoretical considerations pertaining to thermal dose meters"

1442. SCHWAN, H. P. (Conf. Chm.) (1959) Digest of Technical Papers, 12th Ann. Conf. on Electrical Techniques in Med. & Biology, 1st Edition, 10-12 Nov., Sponsored by Institute of Radio Engineers, Amer. Institute of Electrical Engineers, and Instrument Society of Amer., Winner, L., publisher, New York

1443. SCHWAN, H. P. (1959) Proc. of the Institute of Radio Engineers 47:1841-1855, "Alternating current spectroscopy of biological substances"

1444. SCHWAN, H. P. (1960) In: Medical Physics, 3, (Glasser, O., ed.), The Year Book Publishers, Inc., Chicago, pp. 1-7, "Absorption and energy transfer of microwaves and ultrasound in tissues: characteristics"

1445. SCHWAN, H. P. (1963) In: Physical Techniques in Biological Research, (Nastuk, W. L., ed.), Academic Press, New York, from Vol. 6, Part B of "Electrophysiological Methods", pp. 323-407, "Determination of biological impedances"

1446. SCHWAN, H. P. (1964) Final Rept. (from Univ. of Penna. under ONR Contract, (D 600263), 13 pages, "Non-thermal effects of alternating electrical fields on biological structures"

1447. SCHWAN, H. P. (1968) In: Microwave Power Engineering, (Okress, E. C., ed.), Academic Press, N. Y., 2:215-243, "Radiation, biology, medical applications, and radiation hazards"

1448. SCHWAN, H. P. (1969) J. of Non-Ionizing Radiation 1(1):23-, "Effects of microwave radiation on tissue - a survey of basic mechanisms"

1449. SCHWAN, H. P. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium (Cleary, S. F., ed.), Medical College of Virginia, Richmond, 17-19 Sept., Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 13-21, "Interaction of microwave and radio frequency radiation with biological systems"

1450. SCHWAN, H. P. (1970) Final Rept. on ONR Contract, Mar. 1964 - Dec. 1969, Univ. of Penna., "Non-thermal effects of alternating electrical fields on biological structures"

1451. SCHWAN, H. P., ANNE, A., & SHER, L. (1966) U. S. Naval Air Engineering Center, Philadelphia, Pa., Aerospace Crew Equipment Lab., Rept. # NAEC-ACEL-534;/"Heating of living tissues [by microwave irradiation to determine threshold sensations of warmth]; (AD 479192L; & X66-16685) Final Rept. 1963-1965"

1452. SCHWAN, H. P., & CARSTENSEN, E. L. (195 , (Trans. AIEE preprint Paper 53-137, Winter General Meeting, Electrical Techniques in Med. and Biology), AIEE Trans. 72:106-, "Application of electric and acoustic impedance measuring techniques to problems in diathermy"

1453. SCHWAN, H. P., CARSTENSEN, E. L., & LI, K. (1953), (AIEE Technical Paper 53-206, AIEE Summer General Meeting), Electrical Techniques in Medicine and Biology, AIEE Trans. 72:483-, "Heating of fat - muscle layers by electromagnetic and ultrasonic diathermy"

1454. SCHWAN, H. P., CARSTENSEN, E. L., & LI, K. (1954) Electronics 27:172-175, "Electric and ultrasonic deep heating diathermy"

1455. SCHWAN, H. P., CARSTENSEN, E. L., & LI, K. (1954) Arch. of Physical Med. and Rehabilitation 35:13-19, "Comparative Evaluation of electromagnetic and ultrasonic diathermy"

1456. SCHWAN, H. P., & KAY, C. F. (1957) Annals of the New York Academy of Science 65(6):100 -1 3, "The conductivity of living tissues"

1457. SCHWAN, H. P., & LI, K. (1953) Proc. of the Institute of Radio Engineers 41(12):1735-1740, "Capacity and conductivity of body tissues at ultrahigh frequencies"

1458. SCHWAN, H. P., & LI, K. (1955) Trans. of the AIEE (Communications and Electronics) 16:603-607, "Measurements of materials with high dielectric constant and conductivity at ultrahigh frequencies"

1459. SCHWAN, H. P., & LI, K. (1955) Electronic Engineering 74:64-, "Measurement of materials at ultra-high frequencies"

1460. SCHWAN, H. P., & LI, K. (1955) Arch. of Physical Med. & Rehabilitation 36:363-370, "Variations between measured and biologically effective microwave diathermy dosage"

1461. SCHWAN, H. P., & LI, K. (1956) Institute of Radio Engineers Trans. on Medical Electronics PGME-4:45-49, (Also, Tech. Rept. #16, ONR Contract, Univ. of Penna., AD 80164; Also, presented at Symposium on "Physiologic & Pathologic Effects of Microwaves, Mayo Clinic, Sept. 1955), "The mechanism of absorption of ultrahigh frequency electromagnetic energy in tissues, as related to the problem of tolerance dosage"

1462. SCHWAN, H. P., & LI, K. (1956) Proc. of the Institute of Radio Engineers 44(11):1572-1581, (Also Tech. Rept. #19, Univ. of Penna. on ONR Contract, AD 122467), "Hazards due to total body irradiation by radar"

1463. SCHWAN, H. P., & LI, K. (1959) Proc. of the 1st National Biophysics Conf., Columbus, (Quastler, H., & Morowitz, H., eds., Yale Univ. Press, New Haven), pp. 355-356, "Dielectric properties of hemoglobin at ultrahigh frequencies"

1464. SCHWAN, H. P., & MACZUK, J. (1959). Proc. of the 1st National Biophysics Conf., Columbus, (Quastler, H., & Morowitz, H., eds., Yale Univ. Press, New Haven), pp. 348-355, "Electrical relaxation phenomenon of biological cells and colloidal particles at low frequencies"

1465. SCHWAN, H. P., & PAULY, H. (1959) Digest of Technical Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), p. 54 only, "Dielectric constant and conductivity of the interior erythrocytes and pearl chain formation in blood"

1466. SCHWAN, H. P., & PAULY, H. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.), 3:113-123, "Electrical substitutes for human tissue"

1467. SCHWAN, H. P., PAULY, H., TWISTON, J., & GLAZER, I. (1958) First Annual Progress Rept. to Air Force, Univ. of Penna. "Effects of microwaves on mankind"

1468. SCHWAN, H. P., & PIERSOL, G. M. (1953) Arch. of Physical Med. 33:34-, "Absorption of electromagnetic energy in body tissue; review and critical analysis"

1469. SCHWAN, H. P., & PIERSOL, G. M. (1954) Amer. J. of Physical Med. 33(6):371-404, "The Absorption of Electromagnetic Energy in Body Tissues: A Review and Critical Analysis, Part I, Biophysical Aspects"; Part II. Amer. J. of Physical Med., Internat. Review of Physical Med., 34(3):425-448 (1955), (AD 83453), "Physiological and clinical aspects - physiological effects of microwave diathermy"

1470. SCHWAN, H. P., SAITO, M., & SCHWARZ, G. (1966) Biophysical Journal 6:313-, (Also, Tech. Rept. #49 of Univ. of Pennsylvania), "Response of non-spherical biological particles to alternating electric fields."

1471. SCHWAN, H. P., & SALATI, O. M. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3:107-, (Also: Rept. RADC-TR-59-140), "A technique for relative absorption cross-section determination"

1472. SCHWAN, H. P., SALATI, O. M., ANNE, A., & SAITO, M. (1960) Univ. of Penna. Progress Rept to Air Force, RADC-TN-60-158, (AD 241768), 77 pages, "Effects of microwaves on mankind"

1473. SCHWAN, H. P., SALATI, O., PAULY, H., ANNE, A., FERRIS, C. D., & TWISDON, J. (1958) Univ. of Penna. Rept. to Air Force (RADC-TN-59-199, AD 217619), 42 pages, "Effects of microwaves on mankind"

1474. SCHWAN, H. P., & SHER, L. D. (1967) Univ. of Penna. Progress Rept. to ONR, (AD 656736), 8 pages, "Non thermal effects of alternating electric fields on biological structures"

1475. SCHWAN, H. P., SHER, L. D., & MERJANIAN, S. V. (1967) Proc. of the 20th Annual Conf. on Engineering in Medicine and Biology, (Also, Univ. of Penna. Tech. Rept. 51), "Optimization study of an electrical method for the rapid thawing of frozen blood"

1476. SCHWAN, H. P., & SHER, L. D. (1969) In: Dielectrophoretic and Electrophoretic Deposition, (Pehl, H. A., & Pickard, W. F., eds.), The Electrochemical Society, Inc., New York; pp. 107-126, "Electrostatic field-induced forces and their biological implications"

1477. SCHWAN, H. P., & SHER, L. D. (1969) J. of the Electrochemical Society: Reviews & News 116(1):22C-, "Alternating-current field-induced forces and their biological implications"

1478. SCHWAN, H. P., & SHEN, D. W. C. (1959) Digest of Technical Papers. Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology, (Schwan, H. P., Chm.), Sponsored by the Institute of Radio Engineers, the Amer. Institute of Electrical Engineers, and the Instrument Soc. of Amer., (Nov.), "Relaxation parameters of a suspension of membrane covered ellipsoids"

1479. SCHWAN, H. P., & VOGELHUT, P. O. (1968) In: Microwave Engineering, 2, Academic Press, pp. 213-244, "Microwave biophysics"

1480. SCHWARTZ, R. F. (1966) Electronic Industries (June), pp. 88-96, "Precision microwave power measurements, a survey"

1481. SCHWARTZKOPFF, J. (1950) Die Vogelwarte 15(3):194-196, (NRC Transl. TT-1161; N65-28815), "On the question of the perception of ultra-shortwaves by migratory birds"

1482. SCHWARZ, G. (1963) J. of Chemical Physics 39(9):2387-2388, "General equation for the mean electrical energy of a dielectric body in an alternating electrical field"

1483. SCHWARZ, G., SAITO, M., & SCHWAN, H. P. (1966) J. of Chemical Physics 43(10):3562-3569, (Univ. of Penna. Rept.), (AD 631617), "On the orientation of nonspherical particles in an alternating electrical field"

1484. SCOTT, J. (1971) Microwaves 10(1):9-14, "Is today's standard for microwave radiation safe for humans"

1485. SEARLE, C., DAHLEN, R. W., IMIG, C. J., WUNDER, C. C., THOMSON, J. D., THOMAS, J. A., & MORESSI, W. J. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 187-199, "Effects of 2450 mc microwaves in dogs, rats, and larvae of the common fruit fly"

1486. SEARLE, C. W., IMIG, C. J., & DAHLEN, R. W. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:57-61, "Studies with 2450 Mc(cw) exposures to the head of dogs"

1487. SEDLACEK, J., & MACEK, O. (1966) Sbornik Lekarsky, Prague, 68:28-35, "Attempt to analyze the substance responsible for the high frequency impedance of cerebral tissue"

1488. SEDUNOV, B. I., & FRANK-KAMENETSKII, D. A. (1963) Uspekhi Fizicheskikh Nauk, Moscow, 79(3):617-639, (Amer. Institute of Physics Transl. 6(2):279-293 (1963)), "Dielectric constants of biological objects"

1489. de SEGUIN, L. (1947) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 225:76-77, (In French), "Reversibility of lesions observed in small animals exposed to ultra high frequency radiation (wavelengths of 21 cm)"

1490. de SEGUIN, L. (1947) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 228:135-, (In French) "Laws of heat distribution in tissues of organisms irradiated with ultrahigh frequency electromagnetic fields"

1491. de SEGUIN, L. (1949) J. de Radiologie et d'Electrologie 30:458-461, (In French), "Biophysical bases of therapeutic applications of microwaves"

1492. de SEGUIN, L., & COSTELAIN, C. (1947) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 224(23):1662-1663, (In French), "Effect of ultra high frequency waves (wavelengths of 21 cms) on temperature of small laboratory animals"

1493. de SEGUIN, L., & COSTELAIN, C. (1947) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 224(26):1850-1852, (In French), "Anatomic lesions observed in laboratory animals exposed to ultrahigh frequency radiation (wavelength of 21 cms)"

1494. de SEGUIN, L., LEFAIVRE, J., & POLIETIER, H. (1949) J. de Radiologie et d'Electrologie 30:566-568, (In French), "Specific action of microwaves on tissue cultures"

1495. de SEGUIN, L., et al. (1948) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 227:783-, (In French), "Increase in the growth rate of tissue cultures irradiated with ultrahigh frequency electromagnetic radiation (wavelength 21 cm)"

1496. SEIPEL, J. H., & MORROW, R. D. (1960) J. of the Wash. Academy of Sciences 50(6):1-4, "The magnetic field accompanying neuronal activity: a new method for the study of the nervous system"

1497. SEMENOV, A. I. (1962) Izd-vo Moskovskogo Universitets, Moskva, pp. 1-254, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Theory of electromagnetic waves"

1498. SEMENOV, A. I. (1965) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 60(7):64-66, (Abstr. in: ATD Press, Special Issue "Biomedical Microwave Resesearch" 4(43):6-7 (1965)), "The influence of the SHF-UHF electromagnetic field on the temperature in rabbit femoral tissues"

1499. SEMENOV, N. V. (1965) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 60(4):17-19, (FTD Transl. TT-65-31496; JPRS 30998; N65-28140), "Elimination of hypothermia in dogs by means of high frequency currents"

:(Possibly Zenkevich?)

1500. SENKEVECH, A. I./(1959) Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves; Moscow, p. 6 only, (Title not given)

1501. SERCL, J., et al. (1961) Sbornik Vedeckych Praci Lekarske Fakulty Karlovy University, Czechoslovakia, 4(4):427-440, (Also Z. ges. Hyg. 7:897-907, (1961), (in German)), "On the effects of cm electromagnetic waves on the nervous system of man; radar"

[thermal & nonthermal]

1502. SETH, H. S., & MICHAELSON, S. (196') Aerospace Medicine 35(8):734-739, "Microwave/hazards evaluation"

1503. SETH, H. S., & MICHAELSON, S. M. (1965) J. of Occupational Medicine 7(9):439-442, "Microwave cataractogenesis"

1504. SETTER, L. R., SNAVELY, D. R., SOLEM, D. L., & VAN WYE, R. F. (1969) U. S. Dept. of Health, Education, and Welfare, Public Health Service Publication No. 999-RH-35 (April), 77 pages (limited distribution), (Also in: "Senate Hearings", pp. 1216-1296); "Regulations, standards, and guides for microwaves, ultra-violet radiation, and radiation from lasers and television receivers - an annotated bibliography"

1505. SEVASTYANOV, V. V. (1965) Voyenno Meditsinskii Zh., USSR Military Med. Jour. _(7):21-25, "Measurement of SHF-UHF electromagnetic radiation intensities and the problem of their hygienic appraisal"

1506. SEVASTYANOV, V. V. (1969) Voyenno Meditsinskii Zh., USSR Military Med. Jour., _(1):54-55, "Visual recording technique used in the assessment of SHF-UHF effects on an organism"

1507. SHAPAR, H. K. (1961) Health Physics 5:155-159, "Significance of health physics evidence in the trial of a case of radiation personal injury"

1508. SHARMA, R. C. (1967) Nature 214:83-84, "Mechanism of characteristic behavior of cells in an alternating electric field"

1509. SHAW, T., & WINDLE, J. (1950) J. of Applied Physics 21:956-, "Microwave techniques for measurement of the dielectric constant of fibers and films of high polymers"

1510. SHCHEGLOVA, (1961) Gigiena i Sanitariya, USSR, 28(5):18-22, (JPRS 23898), "On the combined action of a high frequency electromagnetic field and x-ray in industry"

1511. SHCHERBAK, A. YE. (1933) Biulleten Gosudarstvennogo Tsentral'nogo Instituto Sechenova (Bull. of the State Central Institute of sechenova), _(2-3):pp.? "From the history of the scientific life of the Sechenov Institute"

1512. SHEMYAKOV, S. I. (1955) Voyenno Meditsinskii Zh., USSR Military Med. Jour., _(5):79-83, "Certain data of medical observations in radio technical stations"

1513. SHEN, D. W. C., & SCHWAN, H. P. (1959) Digest of Technical Papers. Proc. 12th Annual Conf. on Electrical Techniques in Medicine and Biology, (Schwan, H. P., Chm.), Nov., p. 55 only, "Relaxation parameters of a suspension of membrane-covered ellipsoids"

1514. SHER, L. D. (1970) Paper presented at 4th Annual Midyear Topical Symposium, Health Physics Soc., Electronic Product Radiation and the Health Physicist, Jan., Louisville, Ky., Bureau of Radiation Health, Div. of Electronic Products, Rept. No. 70-26, pp. 431-462, "Interaction of microwave and RF energy on biological material"

1515. SHER, L. D. (1970) Medical Research Engineering 9(1):12-16, "Symposium on biological effects and health implications of microwave radiation: a review"

1516. SHER, L. D., KRESCH, E., & SCHWAN, H. P. (1970) Biophysical Journal 10(10):970-979, "On the possiblity of nonthermal biological effects of pulsed electromagnetic radiation"

1517. SHER, L. D., & SCHWAN, H. P. (1963) Ph.D. thesis of L.D.S., and Tech. Rept. #37 to ONR, the Moore School of Electrical Engineering, Univ. of Penna., (Abstr. in IEEE BME-16:1, 1969), "Mechanical Effects of AC Fields on Particles Dispersed in a Liquid; Biological Implications"

1518. SHER, L. D., SCHWAN, H. P., AND MACZUK, J. (1965) Digest of 6th Internat. Conf. on Medical Electronics and Biological Engineering, (Iwai, Y., ed.) Aug., pp. 547-548, "The electrical impedance of frozen blood and applications to electrical methods of thawing"

ogii

1519. SHEREŠHEVSKAYA, L. (1966) Vestnik Oftalmol/ _(3):5-9, "Centimeter-band therapy of distrophy of the macula lutea and uveitis"

1520. SHEVCHIK, F., & VETTERL', V. (1965) Biofizika 10(3):441-446, (ATD 66-55) (Abstr. in: ATD Press, Special Issue, "Biomedical Microwave Research" 4(43):1-3, (1965)), "Complex dielectric permitivity of solutions in the centimeter wave band"

1521. SHEVELOVA, A. B. (1939) Sbornik trudov Instituta Fiziologii Jacropetrovsk. Universitet., 1937-1940, (Subseries of the University's "Nauchnye Zapiski", monograph), 2:31-, "Influence of UHF fields on heart action in the frog"

1522. SHEYVAS, V. E., & ZUFAROV, K. A. (1968) Med. Zh. Uzbek, _(6):12-15, "Biological effects of electromagnetic fields; electron microscopic research"

1523. SHEYVEKHMAN, B. YE. (1949) Problemy Fiziologicheskoy Akustiki, USSR, 1:122-127, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965); (AD 281129; FTD-TT-62-491/1+2), "Effect of the action of a VHF-HF field on the aural sensitivity during application of electrodes in the zone of projection of the aural zone of the cortex (lamella of temporal bone)"

1524. SHIMKOVICH, I. S., & SHILYAYEV, V. G. (1959) Vestnik Oftalmol/, Moscow, 72(4):12-16, (Abstr. in Mammalian Eye, A Literature Survey, by Lazarus, H. S., & Levedahl, B. H., TID-3912, DTIE-, U. S. Atomic Energy Commission, Oak Ridge, Tenn., 1962, pp. 447-), "Development of cataract of both eyes as a result of brief exposures to high density SHF-UHF electromagnetic fields"

1525. SHINDRYAYEV, A. A. (1969) Voyenno-Meditsinski Zh.,(USSR Military Med. J.), _(5):87-88, "Nomogram for determining radii of radar set danger zones"

1526. SHINN, D. H. (1958) Nature 182(4652):1792-1793, "Health hazards from powerful radio transmissions"

1527. SHINOWARA, G. YE., & HORAVA, A. (1962) Inst. of Contemporary Russian Studies 4(3):7-8, "The biological action of ultra-high frequencies"

1528. SHIPP, L. M. (1965) J. of Occupational Medicine 7:423-430, "Electronics and medicine"

1529. SHLYAFER, T. P., & YAKOVLEVA, M. I. (1969) Fiziologicheskiy Zh., SSSR, 55(1):16-21, (In Russian with English summary), "The effect of SHF-UHF electromagnetic fields on the pulsed activity of cerebro-cortical neurons"

1530. SHMELEV, V. P. (1964) In: Some Questions of Physiology and Biophysics, Voronezh, pp. 89-, "The effect of an electromagnetic field of the audio- and radio-frequency ranges on the reflex activity of the spinal cord"; and ibid., pp. 98-, "The state of electric activity of the brain due to action of electromagnetic vibrations of the audio- and radio-frequency range on the organism"

1531. SHNEYVAS, V. B., & ZUFAROV, K. A. (1968) ATD Press, Aerospace Technology Division, Library of Congress 7(10):4-5, (Summary in: USSR Science Abstracts _(62):48-, (1968)), "The biological effect of electromagnetic fields (electron-microscopic study)"

1532. SHORE, M., & LEACH, W. (1969) In: Conf. on Federal-State Implementation of Public Law 90-602, (Miller, J. W., & Gerusky, T. M., Co-Chm.), Bureau of Rad. Health Rept. ORD 69-4 [LD_{50} Studies on rats & hamsters; changes in protein synthesis; chromosomal studies following exposure to electromagnetic radiation]

1533. SHTOL'TSER, V. R. (1958) Problemy Gematologii i Perelivaniia Krovi, Moskva, 3(3):178-183, "Changes in the activity of hemostatic blood preparations caused by the electromagnetic field"

1534. SHVARTS, YA. I. (1945) Frunze, Local and Reflected Changes Due to Localized Action of HF-VHF Field Upon Cervicothoracic Segments of the Spinal Cord

1535. SIDDONS, H., & SOWTON, E. (1967) Chas. C. Thomas, Publ., Springfield, Ill., pp. 99-102, [see especially p. 100 for a discussion of experimental effects on cardiac pacemakers of various types of RF/microwave/diathermy, etc. equipment], Cardiac Pacemakers

1536. SIEMS, L. L., KOSMAN, A. J., & OSBORNE, S. L. (1948) Arch. of Physical Medicine 29(12):759-764, "A comparative study of short wave and microwave diathermy on blood flow"

1537. SIGEL, M. M., & BURNSTEIN, T. (1959) In: Annual Rept. of Microwave Radiation Research, Univ. of Miami, (AD 232925), "Effect of microwaves on mammalian cells grown in vitro"

1538. SIGLER, A. T., LILIENFELD, A. M., COHEN, B. H., & WESTLAKE, J. E. (1965) Bull. of Johns Hopkins Hospital 117(6):374-400, "Radiation exposure in parents of children with Mongolism (Downs Syndrome)"

1539. SILVER, S. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.), 3:22-32, (RADC-TR-59-140; AD 234788), "Physical aspects of microwave radiation"

1540. SILVERS, L. J. G. (1935) Arch. of Physical Therapy 16:671-673, "Control of pain and hemorrhage in electrosurgical tonsillectomy"

1541. SIMMONS, A., & EMERSON, W. (1953) Tele-Tech and Electronic Industries _(7):pp.?, "Anechoic chambers for microwaves"

1542. SIMON, C. W., & ANDERSON, L. E. (1956) Presented at 8th Annual Meeting of Flight Safety Foundation (Hughes Aircraft Co.), (AD 144744), "Potential ground hazards of high performance radar"

1543. SIMONELLI, M., & RIZZINI, V. (1951) Giornale Italiano di Oftalmologia 4(1):3-[illegible] (In Italian), "Action of microwaves on the eye (preliminary note)" (Abstr. in: Zentralbl. f.d. ges. Ophth. 59(7):344 (July 1953))

1544. SINGATULLINA, R. G. (1961) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 52(7):69-72, (In Russian), "The effect of ultrahigh frequency currents on blood serum protein fractions"

1545. SINGATULLINA, R. G. (1961) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 52(7):812-815, (Also, Biological Abstracts 38(5636), (1962)), "The effect of UHF currents on proteins in blood serum fractions"

1546. SINISI, L. (1954) Electroencephalogy & Clinical Neurophysiology 6:535-, "EEG [human] after radar application"

1547. SKAGGS, G. A. (1971) Naval Research Laboratory Memorandum Report 2218, 11 pages, "High frequency exposure chamber for radiobiological research"

1548. SKURIKHINA, L. A. (1961) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Science, Physiotherapy & Medical Physical Culture), Moscow, _(4):338-, "The therapeutic application of microwaves (SHF electromagnetic fields)"

1549. SKURIKHINA, L. A. (1962) Novosti Meditsinskoy Tekhniki, Moskva, _(3):9-, "Clinical and physiological bases of microwave therapy"

1550. SLABOSPITSKIY, A. A. (1964) In: Biological Action of Ultrasound and SHF-UHF Electromagnetic Oscillations,(Gorodetskiy, A. A., ed.), Academy of Sciences, Institute of Physiology, imeni A. A. Bogomolets, Kiev, UKR SSR, (JPRS 36060; N65-28707), pp. 92-107, "The problem of microwave lesions of the skin"

1551. SLABOSPITSKIY, A. A. (1964) In: Problems of the Biophysics and Mode of Action of Radiation, Zdorovya Publ. House, Kiev, pp. 89-94, (Transl. of abstr., Zh. Biol. (19), (Oct. 1965), Abstr. 19-P-373; JPRS 34963), "Morphological changes in the skin of white rats when exposed to centimeter range radio waves"

1552. SLABOSPITSKIY, A. A. (1965) Fiziologicheskiy Zh. SSSR, 11(2):225-231, "The mechanism of action of microwaves on the skin"

1553. SLAVISKIY, G. M. (1937) Sevastopol, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), The Experimental Foundation of Short Wave Therapy

1554. SLAVSKIY, G. M., & BURNAN, L. S. (1935) Bull. Gosudarstvennogo Tsentral'nogo Nauchno-issledovatel'skogo Inst. imeni Sechenova (6-7): "The problem concerning pathological anatomical changes occurring in the organs and tissues under total exposure to short waves"

1555. SLEPICKA, J., SLIVOVA, A., ZPPOCHMON, O., & ZAPLETALOVA, E. (1967) Pracovni Lekarstvi, Prague 19:5-11, "The effect of electromagnetic radiation in the meter wavelength on operators of short-wave radio transmitters"

1556. SLINEY, D. H., & PALMISANO, W. A. (1967); (AD 652708; N67-32384), 37 pages, "Microwave hazards bibliography"

1557. SMIRNOVA, M. I., & SADCHIKOVA, M. N. (1960) Nauchno-issledovatel'skiy Institut Gigiyena Truda i Profzabolevaniya Trudy (1):50-51, (Also in: The Biological Action of Radio-Frequency (UHF) Electromagnetic Fields, (Letavet, A. A., & Gordon, Z. V., eds.), (JPRS 12471, (1962), pp. 47-49); (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, Sept. 1965, pp. 18-19, "Effect of UHF on thyroid gland functions"); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Determination of the functional activity of the thyroid gland by means of radioactive iodine in workers exposed to UHF fields"

1558. SMIRNOVA, M. I., & SADCHIKOVA, M. N. (1962) Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, (Title not given)

1559. SMITH, E. E. (1928) U. S. Navy Medical Bulletin 26:479-502, "Heat stroke, a thermoregulatory incompetency"

1560. SMITH, G. C. (1950) British Medical J., No. 4668, (July 13-21), pp. 1466-1467, "Effects of diathermy currents on metal implants in the body wall"

1561. SMITH, G. C. (1958) Medical J. of Australia 45:313-315, "Radiation hazards in industry"

1562. SMOLYANOV, A. A. (1957) Sci. Work 1st Leningrad Military Naval Hospital, pp. 56-65, "The effect of high frequency pulsed field on the vegetative nervous system"

1563. SMUROVA, YE. I. (1959) Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "Occupational hygiene problems in areas where MF-LF currents are used"

1564. SMUROVA, YE. I. (1966) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) 10(1):17-, (JPRS 35648; TT-66-32083), "Health characteristics of conditions for medical personnel working with sources of radio frequency range electromagnetic fields"

1565. SMUROVA, YE. I. (1967) Gigiena i Sanitariya, USSR, 32(6):37-41, (TT-67-51409-2); (Also Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, pp. 84-85) (AD 671436), "Changes in the phagocytic and bactericidal functions of the blood in animals exposed to radio frequency electromagnetic fields"

1566. SMUROVA, YE. I., ROGOVAYA, T. Z., TROITSKIY, A. S., LASHCHENKO, N. S., & MELNIKOVA, N. D. (1962) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) 6(5):22-28, (In Russian), (JPRS 14925, N62-14907), "Problems of occupational hygiene and health status of operators exposed to the effects of high frequency currents"

1567. SMUROVA, YE. I., ROGOVAYA, T. Z., YAKUB, I. L., & TROITSKIY, S. A. (1964) Gigiena i Sanitariya, USSR, (12):27-30, (Abstr. in: Biological Effects of Microwaves, ATD-P-65-68, pp. 11-12 (1965)), "Industrial hygiene and the health of technicians servicing 60 - 90 kc generators"

1568. SMUROVA, YE. I., ROGOVAYA, T. Z., YAKUB, I. L., & TROITSKIY, S. A. (1966) Kazanskiy Meditsinskiy Zh. 47(2):82-84, "General health ons working with HF, UHF, and VHF generators in physiotherapy machines"

1569. SNYDER, S. H. (1970) Annual Summary Report, Johns Hopkins Univ. (AD 710005), June 1960 to May 1970, 18 pages, "The effect of microwave irradiation on the turnover rate of serotonin and norepinephrine in rat brain"

1570. SOBAKIN, M. A. (1965) Digest of the 6th Internat. Conf. on Medical Electronics and Biological Engineering, (Iwai, Y., ed.) p. 654 only, "Infra-red radiation from the body surface (radio epigastrica) as an index of the state of the stomach function"

1571. SOKOLNIKOV, O. I. (1937) Tr. III Vses. syezda fizioterap.(Trans. of the Third All-Union Conf. of Physical Therapists), Kiev, pp. 206-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "The character of biochemical dislocations in the organism under the effect of HF and UHF waves"

1572. SOKOLOV, S. D. (1967) Patologicheskaya fiziologiya i eksperimental'naya terapiya 11(3):69-70, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, pp. 85-86, (AD 671436), "Anti-inflammatory effect of a constant magnetic field"

1573. SOKOLOV, V. V., & ARIYEVICH, M. N. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR (1):43-45, (Abstr. in: "The Biological Action of UHF, (Letavet, A. A., & Gordon, Z. V., eds.), pp. 39-41, (JPRS 12471); "Changes in the blood under the influence of SHF-UHF on the organism"

1574. SOKOLOV, V. V. & CHELINA, N. A. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR (2):122-125, (Abstr. in: The Biological Action of Radio Frequency Electromagnetic Fields, (Letavet, A. A., & Gordon, Z. V., eds.), JPRS 12471 (1962); (JPRS 34963); "Peripheral blood count under the action of radio waves of various wavelengths on the organism"

1575. SOKOLOV, V. V., et al. (1962) Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, p. 48 only, "The effect of centimeter waves of varying intensity on blood"

1576. SOLEM, D. L., REMARK, D. G., MOORE, R. L., CRAWFORD, R. E., RECHEN, H. J. L. (1968) U. S. Dept. of Health, Education, and Welfare, Public Health Service, Environmental Control Admin., Technical Service Branch Staff Rept., TSB No. 5, "Report of preliminary measurements of electromagnetic radiation fields near microwave ovens" (Also: Non-Ionizing Rad. 1(2):88-94 (1969))

1577. SOLOV'EV, N. A. (1962) In: Proc. of the 2nd [illegible]-Union Conf. on the Use of Radioelectronics in Biology and Medicine, Moscow, pp. 29-, "Differentiation of the action of alternating magnetic field and the emfs and currents induced by it in living organisms"

1578. SOLOV'EV, N. A. (1963) Trudy Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Meditsinskikh Instrumentov i Oborudovanii, USSR, 3:120-, "Responses of the entire living organism to an electromagnetic field"

1579. SOLOV'EV, N. A. (1963) Doklady Akademii Nauk SSSR 149:438-, "Mechanism of the biological action of a pulsed electromagnetic field"

1580. SOLOVTSOVA, K. M. (1965) Fiziologicheskii Zh. Akad. Nauk UKR SSSR 11(4):489-503, "Effect of electromagnetic high-frequency oscillations on the functioning of the liver in persons with a normal or moderately pathological functional state of this organ"

1581. SOMER, H. C., & Von GIERKE, H. E. (1964) Aerospace Med. 35(9):834-839, "Hearing sensations in electric fields"

1582. SOROKINA, YE. I. (1965) Voprosy Kurortologii i Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy & Medical Physical Culture) [illegible]:40-45, (JPRS 29914, pp. 1-8; TT 65-30903 (1965)), "Experience in the use of microwave therapy in patients suffering from sympathetic ganglionitis and radiculitis of the thoraco-cervical segment with a cardiac pain syndrome"

1583. SOUTHWORTH, G. (1937) J. of Applied Physics 8:660-664, "New experimental methods applicable to ultrashort waves"

1584. SOWTON, E., GRAY, K., & PRESTON, T. (1970) British Heart J. 32:626-632, "Electrical interference in non-competitive pacemakers"

1585. SPALA, M. (1961) Sbornik lekarsky 63:349-370, "Dosimetry of thermogenic effects of an rf field and its tolerable dose" in the rabbit" (In Czech.)

1586. SPALA, M., RIEDEL, O., & KACL, J. (1962) Casopis Lekaru Ceskych 101:791-795, (In Czech) "Effect of the rf field on the metabolism of bone tissue in the rabbit: Incorporation of ostheotropic radioisotopes"

1587. SPARKS, R. A. (1961) Digest of the Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.) Plenum Press, New York, pp. 230-, "X-radiation hazards from high power traveling wave tubes"

1588. SPASSKIY, V. A. (1956) Voyenno Meditsinskii Zh. (USSR Military Med. J.) (9):25-28, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), "The objectives of the study of work conditions and hygienic facilities for the personnel of radar stations"

1589. SPECTOR, H. (1969) Medical College of Virginia Quarterly 5(1):20-, "Thermodes and theories"

1590. SPEICHER, H. W. (1958) AMA Arch. of Industrial Health 17:546-555, "Some factors to be considered in a protection program for use of radiation sources"

1591. SPENCER, J. L., & KNAUF, G. H. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation, (Pattishall, E. G., ed.) 1:52-59, "Exposure of Air Force personnel to ionizing radiation produced by radio frequency generators - summary"

1592. STARIKOVA, M. N. (1959) Sovetskaya Meditsina (3):66-68, "The use of a new physical factor - The pulsed VHF-HF electric field in cases of acute inflammatory infiltrates and lymphadenites"

1593. STARMER, C. F., WHALEN, R. E., & McINTOSH, H. D. (1964) Amer. J. of Cardiology 14:537-546, "Hazards of electric shock in cardiology"

1594. STEPHENS, F. H., JR. (1959) In[illegible]estigators' Conf. on Biological Effects of Electronic Radiating Equipments, (Knauf, G. H., Chm.) pp. 42-45, (AD 214693), "Equipment and methods employed in the exposure of experimental animals to microwaves at 24,000 megacycles"

1595. STEPHENS, F. H., JR. (1961) Industrial Med. & Surgery 30:221-228, "Microwave radiation of 10 mw/cm and factors that influence biological effects at various power densities"

1596. STEPHENS, F., & LANDEEN, K. (1953) J. of Occupational Med. 5:418-425, "Effects on dogs of chronic exposure to microwave radiation"

1597. STEPIN, L. D. (1965) M.I.T. Press, Quantum Radio Frequency Physics

1598. STIEBOCK, L. H. (1935) Arch. of Physical Therapy 16:657-661, "The fundamentals and indications of short wave therapy, fulguration and coagulation"

1599. STILLWELL, G. K. (1967) In: Vol. 4, Therapeutic Electricity and Ultraviolet Radiation, Physical Medicine Library, (Licht, S. H., ed.), Licht, E., Pub., New Haven, Conn., "Clinical electric stimulation"

1600. STOCKMAN, H. E. (1969) Electronics (Nov. 24), :110-, "Seeing in the dark is aim of r-f holography"

1601. STODOLNIK-BARANSKA, W. (1967) Nature 214:102-103, "Lymphoblastoid transformation of lymphocytes in vitro after microwave irradiation"

1602. STOLWIJK, J. A. J., & HARDY, J. D. (1965) Rept. No. DASA-1566, "Skin and subcutaneous temperature changes during exposure to intense thermal radiation"

1603. STOPCZYK, M., & PIENIAK, M. (1968) Polish Arch. Med. Wewn 41:773-782, (In Polish), "Diagnosis of the cause of stimulation disorders in patients with implanted heart stimulators with constant rhythm"

1604. STOWELL, R. E., ARNOLD, E. A., GOLDBLATT, P. J., TAKASHIMA, S., TRUMP, B. F., & YOUNG, D. E. (1960) Armed Forces Institute of Pathology Annual Progress Rept, (AD 241314), (Also 1964 Progress Report), "Biological and biochemical effects of microwaves"

1605. STOWELL, R. E., ARNOLD, E. A., FAITH, C. C., GRIFFIN, J. L., & YOUNG, D. E. (1965) Armed Forces Institute of Pathology Annual Progress Rept., pp. 98-117, (AD 470416; RCS-MEDDH-288), "Biological and biochemical effects of microwaves and other physical agents"

1606. STRASSBURGER, A., & SCHLIEPHAKE, E. (1935) Archiv fur Experimentelle Pathologie u. Pharmakol. 177:1-17, (In German) "The influence of ultrashort waves on the heat regulation of rabbits"

1607. STRAUB, K. D., & LYNN, W. S., JR. (1963) Federation Proc. 22, Abstr. No. 2763, p. 623 only, "Effects of oxidizing and reducing agents and A-C current on frog skin potential"

(USSR Military Medical J.)

1608. STYKAN, O. A. (1967) Voyenno Meditsinskiy Zh./ (7):36-38, (ATD Abstr. 8(6/51)), "Problem of radiation-genetic effects of the electronic-vacuum apparatus in radar stations"

1609. SUBBOTA, A. G. (1957) Trudy Voyenno Meditskinskii Akademii i Kirov, USSR, 73:35-37 (Abstr. from Zh. Biol. No. 46203, 1959), "The effect of SHF-UHF electromagnetic fields upon the higher nervous activity of dogs"; ibid., pp. 78-83, (Abstr. from Zh. Biol. No. 59927, 1959), "Changes in respiration, pulse rate and general blood pressure during irradiation of animals with SHF-UHF ibid., pp. 111-115, (Abstr. from Zh. Biol. No. 59926, 1959), "The effect of a SHF-UHF field on heart function and the lumen of vessels"; ibid., pp. 127-132, (Abstr. from Zh. Biol. No. 59922, 1959), "Effect on the blood of animals of exposure to a strong SHF-UHF field"; ibid., pp. 165-, "Some tissue reactions due to local exposure to a SHF field"

1610. SUBBOTA, A. G. (1958) Biulleten Eksperimental'noi Biologii i Meditsiny 46(10):55-61, "The effect of pulsed SHF-UHF electromagnetic fields on the higher nervous activity of dogs"

1611. SUBBOTA, A. G. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, (Title not given)

1612. SUBBOTA, A. G. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 49-51, "Some problems of adjustment and accumulation under multiple exposures to microwaves"

1613. SUBBOTA, A. G., & GREBESHECHNIKOVA, A. M. (1967) In: Medical and Biological Problems of SHF Radiation. (Petrov, I. R., ed.) (Title not given)

1614. SUPONITSKAYA, F. M. (1933) Byull. Tsentr. Nii Fiz. Metodov Lecheniya Im Sechenov (6-7):244-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), (Title not given)

1615. SUROVIEC, H. J. (1967) Arch. of Environmental Health 14:469-472, (Also in Senate Hearings, pp. 1359-1362), "Microwave oven radiation hazards in food vending establishments"

1616. SUSSKIND, C. (1958) Annual Scientific Rept. (1957-1958); (RADC TR-59-298; AD 226735) Institute of Engineering Research, Univ. of Calif. (Berkeley), Ser. No. 60, No. 2[illegible], "Biological effects of microwave radiation"

1617. SUSSKIND, C. (1959) Annual Scientific Rept. (1958-1959); (RADC TR-59-181; AD 227847), 45 pages, Inst. of Engineering Research, Univ. of Calif. (Berkeley), Ser. No. 60, No. 241, "Cellular and longevity effects of microwave radiation"

1618. SUSSKIND, C. (1959) In: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments (Knauf, G. M., Chm.) (RADC TR-59-67, p. 18 only; AD 214693), "Summary of the microwave research performed at the Univ. of Calif."

1619. SUSSKIND, C., (ed.) (1959); (RADC TR-59-140, Univ. of Calif., Berkeley, AD 234788) 335 pages, "Proc. of 3rd Annual Tri-service Conf. on Biological Effects of Microwave Radiating Equipments"

1620. SUSSKIND, C., et al. (1960) Institute of Engineering Research, Univ. of Calif., Berkeley, Series No. 60, No. 285, (RADC TR-60-122; AD 245534) 39 pages, "Microwave radiation as biological hazard and tool"

1621. SUSSKIND, C. (& Staff) (1961) Annual Scientific Rept. (1960-1961); (RADC-TR-61-205; AD 269385), Inst. of Engineering Research, Univ. of Calif., Berkeley, Series No. 60, No. 382, 28 pages, "Longevity study of the effects of 3-cm microwave radiation on mice"

1622. SUSSKIND, C., (& Staff) (1962); (RADC-TR-62-624) Univ. of Calif., Berkeley, Series No. 60, No. 489, "Nonthermal effect of microwave radiation"

1623. SUSSKIND, C., & PRAUSNITZ, S. (1959) Proc. of the 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3:33-, (RADC-TR-59-140), "Temperature regulation in laboratory animals irradiated with 3-cm microwaves"

1624. SUSSKIND, C., & VOGELHUT, P. O. (1959) Proc. of the 3rd Tri-service Conf. on the Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3:46-53, "Analytical and experimental investigation of unicellular organisms with 3-cm microwaves"

1625. SUSSKIND, C., & VOGELHUT, P. O. (1959) Digest of Technical Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), p. 53 only, "Analytical and experimental investigation of unicellular organisms under microwave irradiation"

1626. SUSSKIND, C., & VOGELHUT, P. O. (1961) Presented at the Conf. on Microwave Measurement Techniques held by the Inst. of Electrical Engineers in London, Sept., (Institute of Engineering Research, Univ. of Calif., Berkeley, Series No. 60, No. 439, 1962, p. 19-); (Also in: Proc. of the Institute of Electrical Engineers 109B, Suppl. 23:668-669, and 682-685 (1961)), "Cavity perturbation measurement of the effects of microwave radiation on proteins"

1627. SUSSKIND, C., & VOGELHUT, P. O. (1963) Annual Scientific Rept. No. 63-27 (1962-1963) Univ. of Calif., Berkeley, (AD 433659) "Biological uses of non-ionizing radiation"

1628. SUVOROVSKAYA, N. A. (1961) Patologicheskaia Fiziologiia i Eksperimental'naia Terapiia 5(1):38-40, (JPRS 9314), "Investigation of the effect of electromagnetic energy of centimeter waves on hemopoiesis pathology"

1629. SVETLOVA, Z. P. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 43-44, "Changes in the symmetrical conditioned and unconditioned reflexes in dogs under the influence of a SHF-UHF field in the decimeter range"

1630. SWANSON, J. R., ROSE, V. E., & POWER, C. H. (1970) Paper presented at 4th Annual Midyear Topical Symposium, Health Physics Soc., Electronic Product Radiation and the Health Physicist, Louisville, Ky., 28-30 Jan.; Bureau of Radiation Health, Div. of Electronic Products Rept. No. 70-26, pp. 95-110, (Also: Amer. Industrial Hygiene Assoc. J. 31:623-629, (1970)), "A review of international microwave exposure guides"

1631. SYCH, G. YA. (1940) Dnepropetrovsk. Universitet. Institut fiziologii. Sbornik rabot, 3:103-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), [Title not given - Discusses alteration of reflex times in frogs exposed to ultrahigh frequency electromagnetic fields]

1632. SYNGAYEVSKAYA, V. A. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 52-53, "Some metabolic indices in the blood and urine of individuals following their exposure to SHF-UHF electromagnetic fields"

1633. SYNGAYEVSKAYA, V. A., & IGNATYEVA, O. S. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, p. 52 only, [Title not given]

1634. SYNGAYEVSKAYA, V. A., IGNATYEVA, O. S., & PLESKENA-SINENKO, G. F. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad [Title not given]

1635. SYNGAYEVSKAYA, V. A. & PLESKENA-SINENKO, G. F. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow [Title not given]

1636. SYNGAYEVSKAYA, V. A., PLESKENA-SINENKO, G. F., & IGNATYEVA, O. S. (1962) In: Summaries of reports. Questions of the Biological Effect of SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 51-52, "The effect of microwave radiation in the meter and decimeter waveranges on the endocrine regulation of carbohydrate metabolism and the functional state of adrenal cortex in rabbits and dogs"

1637. SZACHNOWICZ, L. A. (1967) Pediatria Polska 42:679-684, "Use of physical therapy in sequelae and late complications of infectious hepatitis (Botkin's Disease) in children"

1638. SZCZUREK, H. (1963) Przeglad Woiskladowych, Warsaw, (3):5-15, "Effect of microwaves on living organisms"

1639. SZYMANOWSKI, W. T., & HICKS, R. A. (1932) J. of Infectious Diseases 50(1):1-25, (Title?)

1640. TACCARI, E., CRESPI, M., & DDAINOTTO, F. (1967) Rassegna di medicina sperimentale 14(4):158-167, "Experimental contribution to the study of the effects of microwaves on the mesenteric mast cells of the albino rat"

1641. TAKASHIMA, S. (1966) IEEE Trans. on Bio-Medical Engineering, MBE-13(1):28-31, "Studies on the effect of radio-frequency waves on biological macromolecules"

1642. TAKATA, H., & MURASUGI, T. (1941) Bioklimatische Beiblatter 8:17-26, "Disturbance of the flocculation index in health human blood serum: Cosmo-terrestrial sympathy"

1643. TALLARICO, L. B., & KETCHEL, J. (1959) Annual Report to Air Force of Microwave Radiation Research at the Univ. of [illegible], (AD 232925), pp. 57-78, "Effects of exposure to microwave and infrared energy upon behavior of rats"

1644. TALLARICO, R. B., & KETCHEL, J. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3, pp.? "Effect of microwaves on certain behavior patterns of the rat"

1645. TALLIAN, O. G. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, W. F., ed.), pp. 3-8, "Radio frequency environment"

1646. TANNER, J. A. (1966) Nature 210:636 only, (May 7), "Effect of microwave radiation on birds"

1647. TANNER, J. A., & ROMERO-SIERRA, C. (1968) 2nd Canadian Medicine and Biology in Engineering Conf., Toronto, (9-11 Sept.) "Microwaves vs. birds: A new approach to the bird problem in aviation"

1648. TANNER, J. A., & ROMERO-SIERRA, C. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Medical College of Va., Richmond, Va., 17-19 Sept.; (Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 185-187), "Bird feathers as sensory detectors of microwave fields"

1649. TANNER, J. A., ROMERO-SIERRA, C., & DAVIE, S. J. (1967) Nature 216:1139 only, (16 Dec.), "Non-thermal effects of microwave radiation on birds"

1650. TANNER, J. A., ROMERO-SIERRA, C., & DAVIE, S. J. (1969) J. of Microwave Power 4(2):122-128, "The effects of microwaves on birds: preliminary experiments"

1651. TANNER, J. A., ROMERO-SIERRA, C., & VILLA, F. (1969) Proc. of 8th Internat. Conf. on Medicine and Biology in Engineering; and 22nd Annual Conf. on Engineering in Medicine and Biology, held in Chicago, Ill., 21 July, "Changes of muscle action in birds exposed to a microwave field"

1652. TARCHEVSKIY, I. A. (1964) In: Proc. of Concluding Scientific Conf. of Kazan State University, Kazan, pp. 30-, "Change in photosynthetic carbon metabolism as a nonspecific response to the action of electromagnetic factors"

1653. TARJAN, P. P., & MURPHY, W. P., JR. (1970) J. Amer. Medical Assoc. 214(7):1328 only, "Cardiac pacemakers and microwave ovens"

1654. TARUSOV, B. N. (1938) Arkhiv Biologicheskikh Nauk Moscow (Archives des Sciences Biologique) (2):pp.? (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), "Electroconductivity as a method of determining the viability of tissues"

1655. TATARINOV, V. V., & FRENKEL', G. L. (1939) Medgiz, Leningrad, An Introduction to the Study of Ultrahigh Frequency Biological Effects

1656. TAUSSIG, H. B. (1969) Amer. Scientist 57(3):306-316, "Death from lightning and the possibility of living again"

1657. TAYLOR, F. J. D., FLOYD, C. F., & RAWLINSON, W. A. (1960) Proc. of the Internat. Conf. on Medical Electronics and Biological Engineering, 3:393-398, "Some aspects of the measurement of potentially hazardous electromagnetic fields"

1658. TEIXEIRA-PINTO, A. A., CUTLER, J. L., & HELLER, J. H. (1959) Investigators Conf. on Biological Effects of Electronic Radiating Equipments, held at Patrick AFB, Fla. 14-15 Jan. (Knauf, G. M. Chm.) RADC-TR-59-67, pp. 31-32, (AD 214693), "Review of work accomplished at the New England Institute for Medical Research"

1659. TEIXEIRA-PINTO, A. A., NEJELSKI, L. L., CUTLER, J. L., & HELLER, J. H. (1960) Experimental Cell Research 20:548-564, "The behavior of unicellular organisms in an electromagnetic field"

1660. TEPLYAKOVA, N. L. (1965) Trans. of the Science Conf., Central Science Laboratory, Tomsk, (2):363-364, "Clinical and morphological changes in the visual organ in guinea pigs under short term exposure to alternating and constant magnetic fields"

1661. TERENT'YEVA, YE. V. (1945) Nauchno-issledovatel'skiye ratoty biologicheskikh nauk za 1945 g. Referaty. (Research of the division of biological sciences for 1945. Abstracts), (Izd-vo AN SSSR pp. 347- (1947), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), [Title not given; Discusses exposure of the head of dogs to UHF fields (50 MHz) at thermal levels. Changes in conditioned reflex feeding effects were observed]

1662. TERRIE, M., & LOMBARDINI, P. (1951) Bollettino Dell'Istituto Sieroterapico Milanese, Italy, 30:134-150, "Effect of microwaves on bacteria: electromagnetic waves of 3, 10, and 142 cm. wavelength on Escherichia coli"

1663. THERIOT, F. P. (1953) Unpublished summary of the "Conference on the Biological Effects of Microwaves" held at the Naval Medical Research Institute, Bethesda, Md., 29 April

1664. THOMAS, J. A., & THOMSON, J. D. (1961) Federation Proceedings 20(1):401-, (Also, Dissertations Abstr. 22(5):1696 (1961)) "The effect of microwave irradiation on spermatogenesis and on accessory sex organs in the male Albino rat"

1665. THOMPSON, R. L. (1970) Presented at 4th Annual Midyear Topical Symposium, Health Physics Soc., Electronic Product Radiation and the Health Physicist, Louisville, Ky., 28-30 Jan., Bureau of Radiation Health, Div. of Electronic Products Rept. No. 70-26, pp. 463-464, "Microwave hazards surveillance and control"

1666. THOMPSON, W. D., & BOURGEOIS, A. E. (1965) Primate Behavior Lab., Aeromedical Research Lab. Report, (Wright-Patterson AFB, Ohio), (ARL-TR-65-20; AD 489245;/ 77 pages, "Effects of microwave exposure on behavior and related phenomena" [i.e., physiological processes] & N67-11057)

1667. THOMSON, P. (1910) Proceedings, Royal Soc. (London) 82:396-, "A physiological effect of an alternating magnetic field"

1668. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1960) Federation Proceedings 19(1):71-, "Leucocyte changes in normal dogs exposed to microwaves"

1669. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1963) Report, 10 pages, (RADC-TDR-63-352, AD 424411), "Microwave modification of x-ray lethality in mice"

1670. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1965) Radiation Research 24:631-635, "Modification of x-irradiation lethality in mice by microwaves (Radar)"

1671. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1966) Blood 28(2):157-162, "Leukocyte response following simultaneous ionizing and microwave (Radar) irradiation"

1672. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1967) Aerospace Medicine 38(3):252-255, "Microwave radiation and its effect on response to x-radiation"

1673. THORPE, H. (1952) Trans. of the American Academy of Ophthalmology 56:596-599, "Microwave diathermy in ophthalmology. The various diathermy currents used in ophthalmology"

1674. TIAGIN, N. V. (1958) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 46(8):963-966, "The thermal effects of UHF electromagnetic fields" (A duplicate of TYAGIN (1958) #1718)

1675. TIKHONOVA, M. A. (1948) Problems of Experimental Physiotherapy, Collection, Tashkent, pp. 113-119, "The problem of the action of an electromagnetic (UHF) field on the growth of young animals"

1676. TITEL, J. M., & EL-ETR, A. A. (1968) Anesthesiology 29:845-846, "Fibrillation resulting from pacemaker electrodes and electrocautery during surgery"

1677. TKACHENKO, YE. G., & PALALKA, Y. S. (1965) Trans. of Science Conf., Central Science Lab. Tomsk, pp. 338-341, "Changes in the reactivity of leukocytes in the peripheral blood of Albino mice simultaneously vaccinated against anthrax under the action of an alternating electromagnetic field"

1678. TKAN, V. K., & PRIKHOZHII, I. I. (1953) Inst. Biofiz. Akad. Nauk SSSR Sci. Session Celebrating Achievements of Soviet Biophysics in Agriculture, pp. 61-, "Peculiarities of the kinetics of electrical properties of the blood under the action of UHF, infrared rays, and high frequency fields on the organism"

1679. TOLGSKAYA, M. S. (1957) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 43(1):104-107, "Changes in the synaptic formations during intoxication with occupational poisons"

1680. TOLGSKAYA, M. S. (1959) Voprosy Kurortologii Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy, & Medical Physical Culture) (1):21-24, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, Sept. 1965, pp. 28-29; ATD-P-65-68), "Morphological changes in animals exposed to 10 cm microwaves"

1681. TOLGSKAYA, M. S., & FUKALOVA, P. P. (1968) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) (9):37-40, "Morphological changes in experimental animals under the action of electromagnetic fields in the HF and VHF ranges"

1682. TOLGSKAYA, M. S., & GORDON, Z. V. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves. Moscow, pp. 55-, [Title not given]

1683. TOLGSKAYA, M. S., & GORDON, Z. V. (1960) Trudy Nii Gigiyena Truda i Profzaboleaniya AMN SSSR (1):99-103, (In Russian); (In: The Biological Action of UHF, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, Academy of Medical Sciences USSR, 1960, pp. 104-108 (OTS 62-19175-R; JPRS 12471); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, 1965); (Also, Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, Effect of UHF on receptor and interoceptor mechanisms", Sept. 1965, pp. 37-38; ATD-P-65-68), "Changes in the receptor and interoceptor apparatus under the influence of SHF-UHF radiation"

1684. TOLGSKAYA, M. S., & GORDON, Z. V. (1964) Trudy Nii Gigiyena Truda i Profzaboleaniy AMN SSR (2):80-88, (Biological Effects of Radio Frequency Electromagnetic Fields, Inst. of Industrial Hygiene & Occupational Diseases, Acad. of Med. Sciences, Moscow), "Comparative morphological characteristics of the effect of microwaves of various wavelengths"

1685. TOLGSKAYA, M. S., GORDON, Z. V., & LOBANOVA, YE. A. (1957) In: Summaries of reports. Part 2. Jubilee Scientific Session of the Institute of Labor Hygiene & Occupational Diseases Dedicated to the 40th Anniv. of the Great October Socialistic Revolution, Moscow, [Title not given]

1686. TOLGSKAYA, M. S., GORDON, Z. V., & LOBANOVA, YE. A. (1959) Voprosy Kurortologii Fizioterapii i Lechebnoy Fizicheskoy Kul'tur y (Problems in Health Resort Sci., Physiotherapy, & Medical Physical Culture) (1):21-24, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts (1965), ATD-P-65-68), "Morphological changes in experimental animals under the action of ten centimeter electromagnetic waves"

1687. TOLGSKAYA, M. S., GORDON, Z. V., & LOBANOVA, YE. A. (1960) In: Physical Factors of the Environment, Letavet, A. A. (ed.) [Title not given]

1688. TOLGSKAYA, M. S., GORDON, Z. V., & LOBANOVA, YE. A. (1960) Trudy Nii Gigiyena Truda i Profzaboleaniya AMN SSSR (1):90-98, (In Russian); (Abstr. in: The Biological Action of UHF, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow: Academy of Medical Sciences USSR (1960), pp. 94-103; OTS 62-19175; JPRS 12471); (Also abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, "Effect of pulsed and nonpulsed UHF on the organism", Sept. 1965, pp. 34-37; ATD-P-65-68), "Morphological changes in experimental animals under the influence of pulsed and continuous wave SHF-UHF radiation"

1689. TOLGSKAYA, M. S., & NIKONOVA, K. V. (1964) Trudy Nii Gigiyena Truda i Profzaboleaniya AMN SSSR (2):89-93, "Histologic changes in the organs of white rats under continuous exposure to HF-LF electromagnetic fields"

1690. TOLGSKAYA, M. S., et al (1957) Tezisy Dokladov Yubileynoy Sessii Institut Gig. Tr. Prof. Zabol. (2):73-74, "Morphological changes in animals exposed to SHF and UHF fields"

1691. TOLLES, W. E., & HORVATH, W. J. (1956) Trans. of Institute of Radio Engineers on Medical Electronics, PGME-4:13-15, (See also Erratum in Trans. of Inst. of Radio Engineers PGME-7:pp? 1956)); (Presented at Symposium on Physiologic and Pathologic Effects of Microwaves, Krusen, F. H., (Chm.), Mayo Clinic, 23-24 Sept., 1955), "Energy densities of microwave radiating systems"

1692. TOMBERG, V. T. (1934) Abstracts of the 1st Internat. Congress on Electro-Radio-Biology, (Cappelli, L., ed.) Bologna, Italy, pp. 445-451, (In German with English summary) "The specific biological effects of short wavelength electrical energy"

1693. TOMBERG, V. T. (1959) Digest of Technical Papers, Proc. 12th Annual Conf. on Electrical Techniques in Medicine and Biology, (Schwan, H. P., Chm.), pp. 58-59, "Bionegative actions of microwaves"

1694. TOMBERG, V. T. (1960) Proc. 2nd Internat. Conf. on Medical Electronics, Paris, (1959), Chas. C. Thomas (Publisher), Springfield, Ill., pp. 401-407, "Ultrasonic effects compared with microwave biological effects"

1695. TOMBERG, V. T. (1960) In: Institute of Radio Engineers Internat. Convention Record, Part 9: Instrumentation, Medical Electronics and Nuclear Science Session, "Varied Views of Medical Electronics", pp. 94-97, "Biological microwave hazards"

1696. TOMBERG, V. T. (1960) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, A. R., ed.) pp. 221-228, "Specific thermal effects of high frequency fields"

1697. TOMBERG, V. T. (1961) Digest of Internat. Conf. on Medical Electronics, Biological Effects of Microwaves, 1 (Athermal Aspects) (Frommer, P. L., ed.) Plenum Press, New York, p. 231-, "Specific electrical effects of radiowaves and their biomedical importance"

1698. TONKIKH, A. V. (1940) In: Questions on the Use of Short Waves and Ultrashort Waves in Medicine, Moscow, "The effect of HF/VHF electromagnetic fields on basal metabolism"

1699. TONKIKH, A. V. (1941) Sborn. Physiol. Vegat. Nerv. System, Leningrad, 13, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD P-65-17, 1965), "Influence of UHF electromagnetic fields on basal metabolism"

1700. TOROPTSEV, I. V., & GARGANEYEV, G. P. (1962) In: Materials of the All Union Sci. Conf., Exp. Kurortology and Physiol. Moscow, "Some morphological changes in experimental animals subject to exposures of alternating electromagnetic fields of industrial importance"

1701. TOSHEV, G., NINOV, V., & TOMOV, V. (1964) Voprosy Kurortologii Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy, & Medical Physical Culture) 29(2):154-155, (JPRS 25121, pp. 17-19 (1964); OTS-64-31500), "Experience in the treatment of puerperal mastitis with decimeter waves"

1702. TRESKUNOVA, A. S., & SLIZSKIY, G. N. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 53-54, "Data on the dispensary service offered to individuals exposed in their work to microwave fields"

1703. TRIFONOV, YU. A., & UTINA, I. A. (1966) Biofizika 11(4):646-652, (Biophysics 11:740-748 (1966), (in English)), "Investigation of the mechanism of action of current on the L type cells of the retina"

1704. TROYANSKIY, N. P., KRUGLIKOV, R. I., KORNILOV, R. N., PETROVA-GOLUVENKO, L. B., & KALASHNIKOVA, Z. S. (1967) Voyenno-Meditsinskiy Zh. USSR (Military Med. Jour.), _(7):30-35, (Abstr. in Soviet Radiobiology, 68-105-108-9, ATD Press, (June 1968), p. 87 only), "Some results of an investiation of the state of health of specialists working with SHF-UHF generators"

1705. TSOU, H., et al. (1962) National Medical Journal of China _(7-12):531-533, "Observations on the clinical effectiveness of microwave therapy"

1706. TUMARKINA, L. N., & DUBROVSKIY, ? (1966) Biofizika 11(4):653-658 (Biophysics 11:750-756 (1966), (in English), "Certain aspects of the perception by man of amplitude-modulated signals"

1707. TURLYGIN, S. YA. (1937) Comptes Rendus (Doklady) de l'Acad. des Sci. de l'USSS, 17(1):19-22, (in English), (Abstr. in: ATD Rept. P-65-68, Sept. 1965, Biological Effects of Microwaves, pp. 1-2, "Effect of centimeter waves on the human central nervous system"); (Also, Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), "Effect of electromagnetic centimeter waves on the central nervous system"

1708. TURLYGIN, S. YA. (1942) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) _(4):63-, "Irradiation of the human organism with 2-cm microwaves"

1709. TURNER, J. J. (1962) Based on a translation of The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., Moscow (1960); U. S. Army Materiel Command, ZEUS Liaison Office, Bell Telephone Labs., Whippany, N. J., 16 July, 64 pages, (AD 278172), "The effects of radar on the human body (results of Russian studies on the subject)"

1710. TURNER, J. J. (1962) Rept. No. EM-TR-[illegible]-1 (AD 273787), U. S. Army Ordnance Missile Command, (Bell Telephone Labs.), 21 Mar., 89 pages, "The effects of radar on the human body" **(Based on a transl. of citation #879, this Bibliography)**

1711. TURRILL, W. J. (1935) Arch. of Physical Therapy 16:278-281, "Short wave therapy"

1712. TUTTLE, W. W., & JANNEY, C. D. (1948) Arch. of Physical Med. 29:416-421, "The construction, calibration, and use of thermocouples for measuring body temperature"

1713. TUVE, M. A., & WHITMAN, W. G. (1930) "Unpublished super-high frequency data"

1714. TYAGIN, N. V. (1957) Trudy Voyenno-Meditsinskaya Akademiya i Kirov (Leningrad) USSR, 73:9-19, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), "Study of the thermal effect of SHF-UHF electromagnetic fields on various animals using the thermometric method"

1715. TYAGIN, N. V. (1957) Trudy Voyenno-Meditsinskaya Akademiya i Kirov (Leningrad) USSR, 73:84-101, "Electrocardiogram changes in dogs affected by SHF-UHF electromagnetic fields"

1716. TYAGIN, N. V. (1957) Trudy Voyenno-Meditsinskaya Akademiya i Kirov (Leningrad) USSR, 73:116-126, (Abstr. from Zh. Biol. No. 59923 (1959)), "Changes in the blood of animals subjected to a SHF-UHF field"

1717. TYAGIN, N. V. (1957) In: Summaries of reports. Part 2, Jubilee Scientific Session of the Institute of Labor Hygiene & Occupational Diseases Dedicated to the 40th Anniv. of the Great October Socialistic Revolution, Moscow, [Title not given] **963-966 (57-),**

1718. TYAGIN, N. V. (1958) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 46(8):/ "The thermal action of a SHF electromagnetic field"

1719. TYAGIN, N. V. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "Some problems of occupational hazard caused by microwave electromagnetic fields"

1720. TYAGIN, N. V. (1960) Voyenno Med. Zh., (USSR Military Med. J.), _(9):14 only, [Title not given]

1721. TYAGIN, N. V. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 54-55, "The syndrome of the chronic effect of a microwave field" **(A67-80162)**

1722. TYAGIN, N. V., & USPENSKAYA, N. V. (1966) Zh. Nervropatologii i Psikhiatrii i Korsakova 66(8):1132-1136/ "Functional changes in the nervous system and some other systems of the organism under chronic exposure to SHF-UHF radiation"

See also TYAGIN

1723. ULC, M., & SVACINA, J. (1966) Ceskoslovenska Neurologie 29(6):402-406, "EEG shifts in personnel working around centimeter wave sources"

1724. ULRICH, L., & FEPIN, J. (1959) Pracovni Lekarstvi, Prague, 11:500-503, (In Czech.) "The effect of working in high-power transmitting stations upon certain functions of the organism"

1725. USPENSKAYA, N. V. (1959) In: Works of the Scientific Session Devoted to Results of Work in 1957 by the Inst. of Industrial Hygiene and Occupational Diseases, Leningrad, pp. 6-67, "Clinical aspects of the continuous action of SHF/UHF currents"

1726. USPENSKAYA, N. V. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves. Moscow, p. 23 only, [Title not given]

1727. USPENSKAYA, N. V. (1961) In: Materials of the Scientific Session Concerned with the Results of Work Conducted by the Leningrad Institute of Industrial Hygiene & Occupational Diseases for 1959-1960. Leningrad, pp. 116-117, "Results of the observation of workers exposed to electromagnetic waves in the centimeter range"

1726. VALFRE., et al. (1964) Geofis. Peteorol. 13:76-, (In Italian) "The sensitivity of animal organisms to cosmic variables tested with regular water and physically 'active' water"

1729. VALITOV, N. A., & SPITSYNII, N. V. (1958) Voenizdat, Moscow, Radio Measurements at Superhigh Frequencies

1730. VALTONEN, E. J. (1966) Acta Pheum. Scand. 12:291-299, "The effects of microwave radiation on the cellular elements in the peritoneal fluid and peripheral blood of the rat"

1731. VALTONEN, E. J. (1966) Experimental Cell Research 43:221-, "Giant mast cells - a special degenerative form produced by microwave radiation"

1732. VANDAM, D. A. (1968) Report. AMD-CP-01-03-68, 58 pages, "Soviet research on the pathophysiology of ultrahigh frequency electromagnetic fields"

1733. VAN LVERDINGEN, W. A. G. (1938) Nederlands Tijdschrift voor Geneeskunde, Amsterdam, 82:284-, (In Dutch) "Irradiation with ultrahigh frequency radio waves"

1734. VAN EVERDINGEN, W. A. G. (1940) Nederlands Tijdschrift Voor Geneeskunde, Amsterdam, 84:4379-4380, "Molecular changes following irradiation with Hertzian waves of a frequency of 1875 megahertz"

1735. VAN LVERDINGEN, W. A. G. (1941) Nederlands Tijdschrift voor Geneeskunde, Amsterdam, 85(29):3094-3104, (In Dutch), (Biol. Abstr. 16:576-577, Abstr. # 6380 (1942)), (In Dutch) "Molecular and structural alterations due to irradiation with 10 cm Hertzian waves at 3000 Mhz frequency"

1736. VAN LVERDINGEN, W. A. G. (1946) Revue Belge des Sciences Medicales (Revue de Pathologie et de Medecine Experimentale) 17(5):261-283, (In French) "Molecular and structural changes produced by irradiation with Hertzian radio waves of 16 and 10 cm (1875 and 3000 Mhz). 1. Molecular transformations (hepatic metabolism and problems of cancer)"

1737. VAN POOLL, G. McD. (1935) Arch. of Physical Therapy 16:634 only, (Abstr. from Arch. of Otolaryngology 20:152-, (1934)), "Tuberculosis of the larynx" [Used electrocautery for treatment]

1738. VAN UMMERSEN, C. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. J., ed.) pp. 201-219, (Also in: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, Patrick AFB, (Knauf, G. M., Chm.), RADC-TR-59-67, AD 214693, July 1959, pp. 16-17), "The effect of 2450 mc radiation on the development of the chick embryo"

1739. VAN UMMERSEN, A. & COGAN, F. C. (1965) Arch. of Environmental Health 11(2):177-178, (A65-82039), (Also in Senate Hearings, pp. 972-974) "Experimental microwave cataracts: age as a factor in induction of cataracts in the rabbit"

1740. VAN UMMERSEN, C. A., & COGAN, F. C. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 122 only, **"Effects of microwave radiation on lens epithelial cells (summary)"**

1741. VAN WENT, J. (1952) Geneeskundige Gids (Den Haag) 30:77-88, "Ultrashort wave pituitary irradiation"

1742. VARIN, I. YE. (1964) Gigiena i Sanitariya, USSR, 29(1):28-33, (JPRS 23898), "Concerning the occupational hazards in working with medical VHF-HF oscillators"

1743. VARIN, I. YE. (1964) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems of Health Resort Science, Physiotherapy, and Therapeutic Physical Culture), Moscow, 29(2):183-190, (JPRS 25121, pp. 22-35; OTS-64-31500), "First all-Russian congress of health-resort specialists and physiotherapists"

1744. VASILENKO, F. D. (1937) Moskovskaia oblastnaia klinika fizicheskikh metodov lecheniya. Trudy., 1, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), "Influence of HF electric fields on the isolated frog heart"

1745. VASIL'YEV, N. V. (1965) Trans. of the Sci. Conf. of the Central Sci[illegible]. Tomsk 2(2):379-381, "The effect of static and AC magnetic fields on the immunobiological reaction of the organism"

1746. VEIS, A., & VOS, J. (1958) J. of Applied Physiology 13(3):435-444, "Comparison of the stimulation of the thermal sense organ by microwave and infrared radiation"

1747. VELTISHAVA, A. G., TOLGSKAYA, M. S., & PAVLOVA, I. V. (1966) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) 10(9):41-44, (JPRS 39632, TT-67-30281), "Changes of nucleic acids content, induced by UHF waves, in the lungs of rats with experimental silicosis"

1748. VERSEN, P. A. (1965) In: U. S. Army Medical Research Lab. Progress Rept. pp. 35-36, (AD 470683), "Dosimetry of radio-frequency and microwave radiation in mammals"

1749. VIBI, A. (., & FAITFI'BERG-BLANK, V. F. (1968) Vestnik Akademii Nauk Kazakhskoy SSR, 2(3):40-4., "Effect of microwaves on the content of nucleic acids in digestive organs"

1750. VIDIF, YE. I., & KHARITONOV, S. A. (1940) Theory and Practice of Physiotherapy, Collection (Moscow) 2(4):70-, "The sugar content in the blood under the action of a UHF electric field"

1751. VIOLANTI A., TACCARI, E., & CRESPI, N. (1964-65) Medicina Sperimentale, Turin, 2:44-, (In Italian) "Histopathologic study of abdominal organs of animals treated with microwaves"

1752. VITEK, J. (1965) Final Report of ZEZ Research and Development Center, Prague, (In Czech.), "Measurement of RF-energy emission in RF equipment from the health aspect and suggestion for safety measures"

1753. VLADIMIROVA, N. A. (1959) Meditsinskaya Radiologiya 4(7):14-20, "The effect of VHF-HF electric fields on the course of experimental radiation sickness in animals"

1754. VOCCIA, M. (1955) Annali di Medicina Navale e Tropicale 60:658-, (In Italian) "On the causes of ocular fatigue in radar operators"

1755. VOGELHUT, P. O. (1960) Proc. of the Internat. Conf. on Medical Electronics 3:409 only, "Microwaves as a tool in biological research"

1756. VOGELHUT, P. O. (1960) In: 3rd Internat. Conf. on Medical Electronics, p. 52, "Study of enzymatic activity under the influence of 3-cm electromagnetic radiation"

1757. VOGELHUT, P. O. (1962) Electronics Research Laboratory Rept., Series No. 60, Issue (476), Univ. of Calif., Berkeley, (AD 40167), "The dielectric properties of water and their role in enzyme-substrate interactions"

1758. VOGELHUT, P. O. (1968) J. of Microwave Power 3(3):143-147, "Microwave techniques in biophysical measurements"

1759. VOGELHUT, P. O. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, Richmond, Va., 17 Sept., pp. 98-100, "Interaction of microwave and radio frequency radiation with molecular systems"

1760. VOGELMAN, J. H. (1958) Proc. of 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:9-18, (AD 131477; RADC-TR-58-54), "Physical characteristics of microwaves as related to biological effects"

1761. VOGELMAN, J. H. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:332-333, "Comments on papers delivered at Tri-service Conference on Biological Effects of Microwave Radiation"

1762. VOGELMAN, J. H. (1959) Digest of Technical Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology, (Schwan, H. P., Chm.), p. 36 only, "Physical and electrical characteristics of a microwave hazard"

1763. VOGELMAN, J. H. (1961) Proc. 4th Tri-Service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Susskind, C., ed.) 3:23-31, "Microwave instrumentation for the measurement of biological effects"

1764. VOGELMAN, J. H. (1966) Proc. of the Symposium on Biomedical Engineering, (Sances, A., Jr., ed.) Marquette Univ., Milwaukee, 1:204-210, "A comparative analysis of biological effects of microwave energy"

1765. VOGELMAN, J. H. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 7-12, "Physical characteristics of microwave and other radio frequency radiation"

1766. VOKOVA, YE. P. (1947) Candidates Dissertation, Leningrad, "Therapy with the UHF Electrical Field for Acute Inflammatory Processes"

1767. VOLFOVSKAYA, E. N., OSIPOV, YU. A., KALYADA, T. E., KULIFOVSKAYA, E. L., ASTAKOVA, T. I., & SHCHELKOVA, A. V. (1961) Gigiena i Sanitariya, USSR, 26(5):18-23, (In Russian), (JPRS 9895) "On the combined action of RF field and x-radiation in industry"

1768. VOLKOVA, A. P., & SHUROVA, YE. I. (1967) Gigiena i Sanitariya, USSR, (9):107-110, (Abstr. in Soviet Radiobiology, ATD 68-105-108-9 (June 1968) p. 88 only), "The effect of radio frequency electromagnetic fields on phagocytosis, and the cour of infectious inflammation in rats" **(Also: Hygiene & Sanitation 32:451-454 (1967), (In English))**

1769. VON EULER, C. (1947) Acta Phisiol. Scandinav. 14 suppl.: 45-, [Title?]

1770. VOSBURGH, B. L. (1956) Institute of Radio Engineers Trans. on Medical Electronics, PGME-4:5-7, (From: Symposium on Physiologic and Pathologic Effects of Microwaves, Sept. 1955, Mayo Clinic, Krusen, F. H. (Chm.)), "Problems which are challenging investigators in industry"

1771. VOSBURGH, B. L. (1958) Proc. 2nd Tri-service Conf. on the Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:118-123, "Recommended tolerance levels of microwave energy: current views of the General Electric Company's health and hygiene service"

1772. VOSS, W. A. G. (1969) J. of Microwave Power 4(2):120-121, "Exposure reference chart and notes on instruments"

1773. VOSS, W. A. G. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 217-221, "Microwave hazard control in design"

1774. VYALOV, A. N., & LISICHKINA, Z. S. (1966) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) (5):39-43, "Characteristics of some clinical and physiological changes in workers exposed to the action of dispersed, constant magnetic fields under industrial and laboratory conditions"

1775. VYALOV, A. N., et al. (1964) In: Questions of Occupational Pathology, Moscow, pp. 169-, "The question of the effect of constant and variable magnetic fields on the human organism"

1776. VYALOV, A. N. (1967) Vestnik Akad. Meditsinskikh Nauk AMN SSSR, (8):52-58, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9 (June p. 88 only), "Magnetic fields as a factor in an industrial environment"

1777. WACKER, P. F. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 197-202, (Also: (1970) Report: NBS, Boulder, Colo., Electromagnetics Div., NBS-TN-391, (N70-32534), "Quantifying hazardous microwave fields: analysis"

1779. WAJSZCZUK, W. J., HOWRY, F. H., & DUGAN, N. L. (1969) New England J. of Med. 280(1):34-35, "Deactivation of a demand pacemaker by transurethral electrocautery"

1778. WACKER, P. F., & BOWMAN, R. R. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):178-187, "Quantifying hazardous electromagnetic fields: scientific basis and practical considerations"

1780. WAKIM, K. G., GERSTEN, J. W., HERRICK, J. F., ELKINS, E. C., & KRUSEN, F. H. (1948) Arch. of Physical Med. 29(9):583-593, "The effects of diathermy on the flow of blood in the extremities (An experimental and clinical study)"

1781. WAKIM, K., HERRICK, J., & GERSTEN, J. (1947) Proc. Central Society for Clinical Research 20:49-, (Also: J. Laboratory Clinical Medicine 32:1511-1512 (1947)), "Effects on blood flow: clinical and experimental studies"

1782. WAKIM, K., HERRICK, J., HAMILL, E., & BENEDICT, W. (1948) Amer. J. of Physiol. 155:432-, (Also: Amer. J. of Opthal. 33:1241-1245, (1950)), "Effects of microwave diathermy on the eye"

1783. WAKIM, K. G., HERRICK, J. F., MARTIN, G. M., & KRUSEN, F. H. (1949) J. of the Amer. Medical Assoc. 139(15):939-992, "Therapeutic possibilities of microwaves"

1784. WALTHARD, A. (1950) Medical Hygiene 8:182, 431, "Microwaves in physiotherapy"

1785. WARD, G. E. (1947) The Interne 13:347-351, and p. 379, (August), "Electrosurgery"

1786. WATARI, H., HWANG, K. J., ASHIDA, K. (1966) Biochim. Biophys. Acta 128:256-261, "Semiquinone formation of D-amino acid oxidase by irradiation"

1787. WEBB, S. J., & BOOTH, A. D. (1969) Nature 222(5199):1199-, (21 June), "Absorption of microwaves by microorganisms"

1788. WEBB, S. J., & DODDS, D. D. (1968) Nature 218(5138):374-, (27 Apr.), "Inhibition of bacterial cell growth by 136 Gc microwaves"

1789. WEDLICK, L. T. (1967) Medical J. of Australia 2:1050-1051, "The use of heat and cold in the treatment of sports injuries"

1790. WEI, L. Y. (1969) Science 163:280-282, (19 Jan.), "Role of surface dipoles on axon membrane"

1791. WEISS, J. (1935) Arch. of Physical Therapy 16:95-96, "The flasher sinusoidal machine"

1792. WEISS, M. M., & MUMFORD, W. W. (1961) Health Physics 5:160-168, "Microwave radiation hazards"

1793. WEISSENBERG, E. (1934) Abstracts of the 1st Internat. Congress on Electro-radio-biology, pp. 452-456, (In German with English Summary), "Effects of distance on biological hazards to man from radio waves"

1794. WESTIN, J. B. (1968) J. of Occupational Med. 10(3):134-, "Microwave radiation and human tolerance: a review"

1795. WEVER, R. (1967) Zeitschrift fur Vergleichende Physiologie 56:111-128, "The influence of weak electromagnetic fields on the cardiac rhythm of man"

1796. WEVER, R. (1970) Life Sciences and Space Research 8:177-187, "The effects of electric fields on Circadian rhythmicity in men"

1797. WHALEN, R. E., STAMM, C. F., & McINTOSH, H. D. (1964) Annals of the N.Y. Academy of Sci. 111:922-931, "Electrical hazards associated with cardiac pacemaking"

1798. WILDERVANCK, A., & WAKIM, K. G. (1959) Arch. of Physical Med. 40:45-55, "Certain experimental observations on a pulsed diathermy machine"

1799. WILKE, E., & MULLER, R. (1933) Kolloid Z. 65:257-260, (In German), "Effect of electrical waves on colloids"

1800. WILKINS, D. J., & HELLER J. H. (1965) J. of Chemical Physics 39(12):3401-3405, "Effect of radio-frequency fields on the electrophoretic mobility of some colloids"

1801. WILLIAMS, C. (1955) Annual Meeting of the Industrial Hygiene Foundation, Mellon Inst., Pittsburgh, Pa., 16-17 Nov. "Industrial hygiene aspects of microwaves"

1802. WILLIAMS, D. B., & FIXOTT, R. S. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1:6-19, (AD 115603), "A summary of the SUMASAF program for research on the biomedical aspects of microwave radiation"

1803. WILLIAMS, D. B., & FIXOTT, R. S. (1957) Medical News Letter (Navy) 30(10):35-, "Biological hazards of microwave radiation"

1804. WILLIAMS, D. B., MONAHAN, J. P., NICHOLSON, W. J., & ALDRICH, J. J. (1956) Institute of Radio Engineers Trans. on Medical Electronics PGME-4:17-22, (From: Symposium on Physiologic and Pathologic Effects of Microwaves (Krusen, F. H., Chm.) Sept. 1955); (Also, A.M.A. Arch. Opthal. 56:863-874 (1955), and Report 55-94 of Air University, USAF School of Aviation Med., Randolph AFB, Texas, Aug. 1955), (AD 30072), "Biologic effects studies on microwave radiation: time and power thresholds for the production of lens opacities by 12.3 cm microwaves"

1805. WILLIAMS, D. B., & NICHOLSON, W. J. (19__) Report (Classified): Air University, School of Aviation Medicine, USAF, Randolph AFB, Texas, "Biological effects studies on microwave radiation" An appraisal of the biological effects potential of current USAF 'S' band ground radar transmitters"

1806. WILLIAMS, R. B., & CARPENTER, H. M. (1957) Naval Medical Research Institute Report (by Ely, T. S., & Goldman, D. E.), Appendix B of "Heating characteristics of laboratory animals exposed to ten-centimeter microwaves", NMRI Research Reports 15:124-137, "Early lesions in dog testes due to microwaves"

1807. WILLIAMS, D. B., et al. (19__) Institute of Radio Engineers Trans. on Medical Electronics, Ref?, "An observation on the detection by the ear of microwave signals"

1808. WILMER, H. B., & MILLER, M. M. (1935) Arch. of Physical Therapy 16:574-677, "Physical therapy in allergic diseases"

1809. WILSON, G. (1951) North Carolina Medical J. 12(1):19-23, "Treatment of fibrositis in the neck and shoulder with microtherm (radar)"

1810. WILTSCHKO, W. (1968) Zeitschrift fur Tierpsychologie 25:537-, (In German), "A study of the influence of static magnetic fields on the migratory orientation of the robin (Erithacus rubecula)"

1811. WILTSCHKO, W., & MERKEL, F. W. (1966) Zoologischer Anzeiger Suppl. 29:362-, (In German), "Orientation and migratory behavior of the robin in a static magnetic field"

1812. WIMMER, R. (1954) Report: (ERD-CRRC-TN-55-118) Atomic Warfare Directorate, Air Force Cambridge Research Center, Air Research and Development Command, "A survey and analysis of ultra-high-frequency measurement of dosimetry techniques"

1813. WINDLE, J., & SHAW, T. (1954) J. of Chemical Physics 22:1752-, "Dielectric properties of wool-water system at 3000 and 9300 MHz"

1814. WINDLE, J., & SHAW, T. (1956) J. of Chemical Physics 25:435-, "Dielectric properties of wool-water system at 26,000 MHz"

1815. WINCO, W. (1958) Washington Daily News, p. 6 only, (Sept. 3), "Navy warns of strange antenna"

1816. WISE, C. S. (1948) Arch. of Physical Med. 29:17-21, "Effect of diathermy on blood flow: plethysmographic studies"

1817. WISE, C. S., Castleman, B., & Watkins, A. L. (1949) J. of Bone & Joint Surgery, 31A(3):487-, "Effect of diathermy on bone growth in the Albino rat"

1818. WORDEN, R. E., HERRICK, J. F., WAKIM, K. G., & KRUSEN, F. H. (1948) Arch. of Physical Med. 29(12):751-758, "The heating effects of microwaves with and without ischemia"

1819. WROMBLE, R. F. (Editor), (1968) Proc. of a Meeting to Discuss "Technical Considerations in the Measurement and Evaluation of Radiation Emissions from Microwave Ovens", National Center for Radiological Health, U. S. Dept. of Health, Education, and Welfare, Public Health Service, Rockville, Maryland

1820. WUDNA, E., & LEOPOLD, I. H. (1957) Arch. of Ophthalmology 58:829-849, "Experimental studies of the choroidal vessels: VI: Observations on the effects of physical agents"

1821. YAKOVLEVA, M. I. (1964) Section in: Chapter 8 of Outline of the Evolution of Nervous Activity, Meditsina Publ. House, Leningrad, pp. 202-, "The functional state of the sympathetic-adrenal system during the action of microwave electromagnetic fields.

1822. YAKOVLEVA, M. I. (1968) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 69(9):9-11, "The study of efferent impulsation in postganglionic sympathetic fibers under the action of a SHF-UHF electromagnetic field" (Also cited as #656, this Biblio.)

1823. YAKOVLEVA, M. I. (1968) Zh. Vysshei Nervnoi Deyatel'nosti imeni I Pavlova, USSR, 18(3):418-424, (JPRS 46632; N68-37285), "The effect of SHF-UHF electromagnetic fields of conditioned reflex control of cardiac and respiratory activity"

1824. YAKOVLEVA, M. I., SHLYAFER, T. P., & TSVETKOVA, I. P. (1968) Zh. Vysshei Nervnoi Deyatel'nosti imeni I Pavlova, USSR, 18(6):973-978, "Conditioned cardiac reflexes and the functional and morphological status of cortical neurons under the action of SHF-UHF electromagnetic fields" (Also cited as #658, this Biblio.)

1825. YAMAURA, I., & CHICHIBU, S. (1967) Tohoku J. of Experimental Med. 93(3):249-259, "Superhigh frequency electric field and crustacean ganglionic discharges"

1826. YAO, K. T. S., & JILES, M. M. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Radiological Health, Division of Biological Effects, Rept. No. 70-2, pp. 123-133, "Effects of 2450 MHz microwave radiation on cultivated rat kangaroo cells"

1827. YASNOGORODSKIY, V. (1959) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resor. Sci., Physiotherapy, & Medical Physical Culture), Moscow, (6):563-567, (JPRS 3939D), "Conference devoted to problems concerning the application of radioelectronics in medicine and biology"

1828. YASNOGORODSKIY, V. G. (1960) In: Elektronika V Meditsine (Electronics in Medicine), Gosenergizdat, Leningrad, pp. 228-232, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Repr. P-65-17, (Apr. 1965)), "Specifications for a high-frequency therapeutic apparatus; hygienic estimate of labor conditions during work with HF generators"

1829. YASUICHI, H. (1952) J. Chem. Soc. of Japan (Pure Chem. Sec.) 73:644-645, "Effect of ultra-high-frequency waves on the crystallisation process of salts"

1830. YATSENKO, M. I. (1965) Fiziologicheskiy/Akad. Nauk UKR SSR 11(4):516-519, "Effect of microwaves on the absorptive capacity of the synovial membrane of the knee joint when the spinal cord has been severed"

1831. YATSENKO, M. I. (1966) Fiziologicheskiy/Akad. Nauk UKR SSR 12(3):377-381, "Effect of microwaves on the absorptive capacity of the knee joint under the effect of atropine and carbocholine" (Also cited as #659, this Biblio.)

1832. YATSENKO, M. I. (1968) Fiziologicheskiy/Akad. Nauk UKR SSR 14(2):261-264, "Effect of microwaves on the absorptive capacity of the knee joint under conditions where adrenalin and aminazine have been introduced into the organism"

1833. YATTEAU, R. F. (1970) New England J. of Med. 282(26):1447-1448, "Radar-induced failure of a demand pacemaker"

1834. YEFIMOV, V. V. (1942) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 14(2):61-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17 (Apr. 1965)), (Title not given) [A UHF field causes drowsiness in some species of animals]

1835. YELEAZAROVA, M. P. (1940) Klinika Fizicheskikh Metodov Lecheniya, Trudy, Moscow oblast', (4):177-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17 (Apr. 1965)), "Change in protein metabolism under the influence of a UHF field"

1836. YELISEYEV, V. V. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR (2):94-104, "Method of animal irradiation in the experimental study of the effects of radio frequency electromagnetic waves"

1837. YELISEYEVA, M. I. (1937) Biological Effect of Ultrahigh Frequencies, Symposium, Moscow, pp. 261-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17 (Apr. 1965)), "Glycemic reactions of rabbits to a UHF field"

1838. YERMAKOV, Y. V. (1969) Voyenno Meditsinskiy Zh. (USSR Military Med. J.), (3):42-44, "Developmental mechanism of astheno-vegetative disorders in case of chronic exposure to UHF fields"

1839. YERMOLAYEV, YE. A. (1964) Voyenno-Meditsinskiy Zh. (USSR Military Med. J.), (9):22-26, (Abstr. in: Biological Effects of Microwaves, (ATD-P-65-68, (Sept. 1965), pp. 23-24, "Industrial Hygiene and Radiation Dosimetry Around UHF Sources"), "Evaluating the danger of SHF-UHF and x-radiation in the vicinity of radar stations"

1840. YERMOLAYEV, Y. A., & KOVACH, R. I. (1968) Voyenno Meditsinskiy Zh., (USSR Military Med. J.), (1):55-59, "On the problems of the methods of estimating irradiation by SHF-UHF radiowaves"

1841. YERMOLAYEV, YE. A., SUBBOTA, A. G., & CHUKHLOVIN, B. A. (1967) Voyenno Meditsinskiy Zh. (USSR Mil.Med.J.) (7):45-49, (ACSI J3146), "The degree of standardization of microwave radiation in foreign armies - a literature review"

1842. YEVDOKIMOV, I. R. (1964) In: Biological Action of Ultrasound and Superhigh Frequency Electromagnetic Oscillations, Gorodetskiy, A. A., Academy of Sciences, Institute of Physiology, imeni A. A. Bogomolets, Kiev, "Ultraacoustic parameters of the blood in the dynamics of acute radiation sickness"

1843. YOUMANS, C. R., JR., BOURIANOFF, G., ALLENSWORTH, D. C., MARTIN, W. L., & DERRICK, J. R. (1969) Amer. J. of Surgery 118:931-937, "Electroshock therapy and cardiac pacemakers"

1844. ZABOTIN, A. I. (1965) In: Questions of Hematology, Radiobiology, and the Biological Action of Magnetic Fields, Tomsk, pp. 323-, "The effect of magnetic and electric fields on the rate and chemistry of photosynthesis"

1845. ZAGORUL'KO, L. T. (1948) Uspekhi sovremennoy biologii 25:231-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17 (Apr. 1965)), (Title not given) [Exposure of occipital regions to UHF produces alterations in the course of consecutive visual images]

1846. ZAHRADNIK, J. W., & CHEN, C. S. (1967) Digest of the 7th Internat. Conf. on Medical and Biological Engineering, (Jacobson, B., ed.), Stockholm, p. 402 only, "Bacterial lethality predictions during heating based on principles of similitude"

1847. ZAKRZHEVSKIY, YE. B., & MALYSHEV, V. M. (1964) Voyenno Meditsinskiy Zh. (USSR Military Med. J.), (10):15-19, (Abstr. ACSI-17232), "The chronic effect of an SHF-UHF electromagnetic field on the human organism - review of literature"

1848. ZANINI, A. (1943) Zentralblatt fur die gesamte radiologie 37:216 only, (Originally appeared in Med. Ital. 24:73-83, (1943); (In Italian)), Abstr. only, (in German), "Shortwave therapy in the non-expectorant bronchopneumonia in children"

1849. ZARET, M. M. (1959) Proc. 3rd Tri-Service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:334-335, "Comments on papers delivered at Tri-Service Conference on Biological Effects of Microwave Radiation"

1850. ZARET, M. M. (1962) Industrial Hygiene Review 5:11-, "The biological effects of microwave radiation"

1851. ZARET, M. M. (1964) Report, 25 pages, (AD 608746; RADC TDR-64-273), "An experimental study of the cataractogenic effects of microwave radiation"

1852. ZARET, M. M. (1965) In: Life in Spacecraft, Proc. of the 16th Internat. Astronautical Congress, Athens, (A67-39769; Abstr. available as A66-10793), "Ophthalmic effects associated with ionizing and non-ionizing electromagnetic radiation fields"

1853. ZARET, M. M. (1965) Annual Progress Report (AD 615469), "Effects of electromagnetic radiation on biological systems"

1854. ZARET, M. M. (1966) Annual Progress Report, Zaret Foundation Inc., Scarsdale, N. Y., 22 pages, (AD 635943). (Also, Progress Rept. for 1967, 5 pages, (AD 654447; N67-86176)), "Ocular effects of microwave radiation"

1855. ZARET, M. M. (1967) Annual Progress Report, The Zaret Foundation, Inc., June 1966 to May 1967, 10 pages, (AD 654523; N67-35537), "Ophthalmic hazards of microwave and laser environments"

1856. ZARET, M. M. (1969) Final Report on ARPA Project, The Zaret Foundation, Inc., (AD 856712), "Effects of low-level microwave irradiation on heart rate in rabbits"

1857. ZARET, M. M., CLEARY, S. F., PASTERNACK, B., EISENBUD, M., & SCHMIDT, H. (1961) Report (RADC TN-61-226), 110 pages, (AD 266831), "Occurrence of lenticular imperfections in the eyes of microwave workers and their association with environmental factors"

1858. ZARET, M. M., CLEARY, S. F., PASTERNACK, B., EISENBUD, M., & SCHMIDT, H. (1963) Institute of Industrial Medicine, N. Y. Univ. Medical Center, Final Report (RADC-TDR-63-125), (AD 413294), 142 pages, "A study of lenticular imperfections in the eyes of a sample of microwave workers and a control population"

1859. ZARET, M. M., & EISENBUD, M. (1961) Proc. 4th Tri-Service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 293-308, "Preliminary results of studies of the lenticular effects of microwaves among exposed personnel"

1860. ZARET, M. M., KAPLAN, I. T., & KAY, A. M. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.) Bur. of Radiological Health, Division of Biological Effects, Rept. No. 70-2, pp. 82-84, "Clinical microwave cataracts"

1861. ZARET, M. M., MARTIN, C., & LYONS, W. (1965) Raft, "Investigation of hazards due to exposure to microwave radiation fields encountered in Naval operations"

1862. ZARET, M. M., et al. (1964) Technical Documentary Report No. RADC-TDR-64-273, (AD 608746), 25 pages, "An experimental study of the cataractogenic effects of microwave radiation"

1863. ZARZHEVSKIY, S. YA., & KARELIN, O. N. (1966) Voyenno Meditsinskiy Zh., (USSR Military Med. J.), _(12):pp?, (ACSI J1642), "The methods of calculating the protective zones in radar station areas"

1864. ZDECKI, S. (1967) Lekarz Wojskowy (Poland) 43(2):124-129, (FTD HT-23-1500-67; ATD Abstr. 20(5/124); & AD 845280), "Examination and rating of the organ of vision of persons exposed to microwave radiation with particular attention to the lenses of the eye"

1865. ZELLER, E. A., WAKIM, K. G., HERRICK, J. F., & BENEDICKT, W. (1954) Amer. J. of Ophthalmology 34(9):1301-, "Influence of microwave on certain enzyme systems in the lens of the eye"

1866. ZENDLE, R., & GOODALE, E. E. (1959) Health Physics 2:78-80, "Some unusual x-radiation dosimetry problems associated with radar installations"

1867. ZENINA, I. N. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR _(2):26-32, (Abstr. in: The Biological Action of Radio Frequency Electromagnetic Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Science, Moscow, USSR), "The effect of pulsed SHF-UHF fields on the central nervous system during single and continuous radiation"

1868. ZHUKHIN, V. A. (1938) Works of the Turkmen Med Inst. 2(3-4):1-247, "Pathological and anatomical changes in certain animals under the general exposure to UHF electromagnetic fields"

1869. ZHUKHIN, V. A. (1967) Tr. Nauchno-issledovatel'skogo Inst. Fizich. Metodov Lecheniya, SSSR, _(2), pp.?, "Pathomorphological changes occurring in the central nervous systems of animals exposed to ultrashort waves"

1870. ZILITINKEVICH, S. I., BALOBEI, F. P., BOGDANOVA, E. K., IVANOV, P. P., & KUZNETSOV, YU. V. (1967) Biomedical Engineering 1(3):177-179, (Translation of Med. Tekh. 1(3):59-61, 1967, (In Russian)), "Measuring apparatus for biological and medical investigations in centimeter range of radiowaves"

1871. ZIMMER, R. P., ECKER, H. A., & POPOVIC, V. P. (1968) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):238-245, "Selective electromagnetic heating of tumors in animals in deep hypothermia"

1872. ZORE, V. A., KIMEL'FEL'D, O. D., SUZDALEVA, V. T., KOBZEV, L. P., & GENKINA, YE. S. (1967) Biofizika 12(1):124-126, (Abstr. ATD 15 (5/117); AP 7006956), "Complex dielectric permittivity of human blood serum in the 100-500 MHz range under normal conditions and during some diseases"

1873. ZUBENKO, P. M. (1940) Dnepropetrovsk Universitet. Institut. Fiziologii. Shornik rabot, _(3):63-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17 (Apr. 1965)), "Mechanism of the action of UHF on gas exchange"

1874. ZUBKOVA, S. M. (1967) Author's Abstract of Candidate's Dissertation, Moscow, "Reaction of Excitable System of Paramecia to Microwave Irradiation"

1875. ZUBKOVA, S. M. (1968) Trans. of the Moscow Society of Naturalists 28:130-136, "Effects of electromagnetic fields on the regulation of motor functions in paramecia"

1876. ZUBKOVA-MIKHAYLOVA, ?, & ALEKSEYEV, YU. N. (1968) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) _(1):115-118, "The effect of electromagnetic oscillations in the radio frequency spectrum on neurosecretion of the hypothalmus and on endocrine glands"

ZYDECKI, S. (See ZDECKI, S.)

Unsigned Reports and Articles (In Chronological Order, Where Possible)

1877. Opening (and Closing) Speech made by the regent at the First Meeting of the S. I. R. B. (Soc. Internat. of Electro-Radio-Biology). Abstr. of the 1st Internat. Congress of Electro-Radio-Biology, Venice, (Cappelli, L., ed., Bologna, Italy), pp. 82-85, (1934) (English Translation)

1878. "Those most sensitive to electricity stand shock best", Arch. of Physical Therapy 16:625-626, (1935), (Abstr. in: Science Newsletter, date?)

1879. "Ultrashort waves in medicine and biology", Proc. of the 1st Ukrainian Conf. on Shortwave Studies, Kharkov, Gosmedizdat (1936)

1880. Problems of the Metrics and Dosimetry and Ultrahigh Frequency in Biology and Medicine, Moscow (1937)

1881. Materials of the Leningrad Conference on VHF-HF Waves, Leningrad, (1937)

1882. Proceedings of First All-Union Conference (of Physicians, Biologists, & Physiologists) on the Problems of the Use of short and Ultrashort Waves in Medicine, Medgiz, (Moscow), (1940)

1883. "Biological and therapeutic effect of a magnetic field and strictly-periodical vibrations", Perm, Molotov (1948)

1884. "Radar and cataracts", J. Amer. Medical Assoc., 150(5):528 (4 Oct. 1952), (Also Nuc. Sci. Abs. 4:339 (1957))

1885. "Health hazards in microwave radiation", U. S. Military Air Transport Service Medical Information Letter, No. 113, pp. 10-12 (1953)

1886. "Council on Physical, Medical, and Rehabilitation Therapy: Illegal Operations of Medical Diathermy Equipment", J. Amer. Medical Assoc. 156:1583-, (1954)

1887. "Critique of the biological hazards of microwave radiation", Geo. Washington Univ., Washington, D. C., Rept. 56-21, (Nov. 1956)

1888. "Electromagnetic radiation hazards" (Classified) Rome Air Defense Center, Proj. 4554, (Oct. 1956)

1889. "Biomedical aspects of microwave radiation", (Classified), School of Aviation Medicine, U. S. Air Force, Proj. 7783, (Mar. 1956)

1890. "Symposium on Physiologic and Pathologic Effects of Microwaves", Institute of Radio Engineers Trans. on Medical Electronics PGME-4, 52 pages, (Feb. 1956)

1891. "Radar death calls for caution", Electronics (Business Edition), p. 26, (20 June 1957)

1892. "Health hazards; Information on microwave radiation (including ionizing radiation from electronic equipment)", Environmental and Occupational Health Information Letter No. 5B; Headquarters Air Material Command, Wright-Patterson AF Base, Ohio, (Nov. 1957)

1893. Conference on Radio-Frequency Hazards; Minutes, Sponsored by Navy Dept., Bureau of Ships, Electronics Div. (Code 960), (Aug. 1957), (Also Minutes of 1958 Conf.)

1894. "Bibliography of microwaves and their biological effects", Prepared in cooperation with the Directorate of Technical Services, Rome Air Defense Center; Appendix E, p. 111-114, Proc. 1st Tri-Service Conf. on Biological Hazards of Microwave Radiation, (Pattishall, E. G., ed.) 1, (1957) (AF 1860011, AD 115603)

1895. "The biological effect of a SHF-UHF electromagnetic field, Trudy Voy. Med. Akad. i Kirol, USSR, Leningrad (1957)

1896. "Microwave (radar) health hazards; health precautions for prevention of", Bureau of Medicine and Surgery, Department of Navy, Bumed Notice 6260, (1958)

1897. "Radar radiation hazards", Electronics (Business Edition) :15-, (April 18, 1958)

8 pages, (AD 624221; SETI-210-...

1898. "Hazards of microwave electromagnetic radiation", New York Univ. College of Engineering, N. Y., (1958)

1899. "Control of potential hazards to health from microwave energy", Army Regulation (A.R.) No. 40-583, (Sept. 1958), Superseded by Regulations of Sept. 1961)

1900. "Radio frequency hazards handbook", Bur. of Aeronautics of U. S. Air Force, T. O. 31-1-80, (Apr. 1958). (Revised Jan. 1959)

1901. "Hazards of microwave electromagnetic radiation", Report, N. Y. Univ. School of Eng. Sci. (AD 624221), (1958)

1902. "Health Hazards Information: Microwave radiation", U. S. Air Force Rept. AFP 160-613, pp. 1-10, (May 1958)

1903. "New biological effects of R-F radiation", Electronics 32:38-39, (1959), (From Proc. of the 12th Annual Conf. on Electrical Tech. in Med. and Biology)

1904. "Investigator's Conference on Biological Effects of Electronic Radiating Equipments", Tech. Report on Proj. 5545, RADC-TR-59-67, 45 pages, (AD 214693), (Jan. 1959)

1905. "Biological, Clinical, and Research Aspects of the New Bio-Electrical Approach to the Treatment of the Whole Patient", The Abraham J. Ginsberg Foundation, Invitational Symposium, New York, (June 1959)

1906. "Medical considerations of exposure to microwaves (radar), Medical News Letter (Navy) 34(7):35-40, (Oct. 1959)

1907. "Radar hazards", National Safety News, Data Sheet 481, (1959)

1908. "Blood coagulation changes due to electromagnetic microwave irradiations", Report, St. Louis Univ., (DA-36039, SC-78122), (AD 229267), (1959)

1909. "Labor hygiene and the biological effect of radio frequency electromagnetic waves, summaries of reports", Moscow (1959)

1910. Digest of Technical Papers of 12th Annual Conf. on "Electrical Techniques in Medicine and Biology", (Schwan, H. P., Chm.), Rome Air Development Center, N. Y., TR-59-227, (Sponsored by Institute of Radio Engineers, AIEE, and Instrument Soc. of America; Phila., Pa.), (Nov. 1959)

1911. "Biological effects of radio frequency radiation: bibliography", Prepared by Rome Air Development Center and Midwest Research Institute, Kansas City, Mo., (RADC TR 60205), (AD 244003), (1960)

1912. "How dangerous are microwa[illegible]", British Medical J., pp. 1420-1421, (1960)

1913. Discussion on Ultrasonics and Microwave Radiation (at 3rd Internat. Conf. on Medicine & Electronics), Proc. of the Internat. Conf. on Med. Electronics in Medicine & Biol. Engineering 3:459-461, (1960);

1914. "Safety precautions relating to intense radio-frequency radiation", Her Majesty's Stationery Office, London (1960); Reprinted in: Radiation Control for Health and Safety Act of 1967 ("To provide for the protection of the public health from radiation emissions"), Hearings before the Committee on Commerce, United States Senate, 90th Congress, Second Session, Part 2, Serial No. 90-49, pp. 1571-1574, (May, 1968)

1915. "Interim standard definitions of terms related to radio frequency radiation hazards", Prepared under Navy, Bureau of Ships, Contract with Midwest Research Institute, Contract No. NOBS-77142, (May 1961)

1916. "Electromagnetic radiation hazards", U. S. Air Force T. O. 31Z-10-4, (Oct. 1961), Superseded by: "Ground Electronics Engineering - Installation Agency Standard", Tech. Manual, (May 1967)

1917. "Final report on biological effects of R-F radiation on macromolecules", Melpar, Inc., Falls Church, Va., (AD 284373), (Aug. 1962)

1918. "Questions of the Biological Effect of a SHF-UHF Electromagnetic Field, Summaries of Reports", Kirov Order of Lenin Military Medical Academy, Leningrad (1962)

1919. Methods of Protection Against the Action of Electromagnetic Fields with the Use of High-Frequency Generators, Moscow, (1962) (In Russian)

1920. "Bulletin on health hazards due to radar and similar installations and their prevention", Dusseldorf, (1962), (In German)

1921. In: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (Eds.), (JPRS 12471), (N62-11902), (Feb. 1962), "Recommendations for conducting preliminary and periodic medical examination of workers using UHF sources", pp. 123-125; "Sanitary regulations in work with generators of centimeter waves", pp. 126-130; "Instructions on the method of measuring the power flux density of UHF energy at working positions", Appendix, pp. 131-133; "Bibliography of biological effects of UHF", pp. 134-142

1922. "Microwave effects on the human body: bibliography", (AD 46950), (1962) [Not presently avail. from DDC; "withdrawn by controlling agency"]

1923. "The 'Hyfrecator' for electro-desiccation, fulguration, and coagulation", Symposium on Electrodesiccation and Bi-active Coagulation; The Birtcher Corp., Los Angeles, 32 pages, (1963)

1924. "Neurological responses to external electromagnetic energy (A critique of available data and hypotheses)", Compilation of Material Presented at the Conf. at the Brain Research Inst., UCLA, (Adey, W. R., Chm.), 101 pages, (July 1963)

1925. Abstracts of the Conference on "Industrial Hygiene and the Biological Action of Radio Frequency Electromagnetic Fields", Inst. of Indust. Hygiene and Occup. Diseases, Acad. of Med. Sci., Moscow, (1963) (In Russian).

1926. Protection Against the Action of Electromagnetic Fields and Electric Current in Industry, Leningrad, (1963)

1927. "Soviets design clothing to protect workers from the effects of electric fields", Technical Digest (Czech) (9):79-, (Sept. 1964)

1928. "Threshold limit values for toxic chemicals and certain electromagnetic radiation", U. S. Army Report (TB MED-Z65), (April 1964)

1929. "Some biochemical changes in workers exposed to centimeter waves", Trans. of Soviet Bloc Sci. and Tech. Lit. (ATDP 6495; AD 460106), (1964)

1930. "Biological Effect of Ultrasound and UHF Electromagnetic Waves", Kiev, (1964), (In Russian)

1931. The Biological Effects of Electromagnetic Fields - An Annotated Bibliography" of Soviet-Bloc Literature, Aerospace Technology Division, Library of Congress, ATD Rept. P-65-17, 45 pages, (AD 460705), (April 1965) [by DODGE, C. H.]

1932. Biological Effects of Microwaves: Compilation of Abstracts, (Survey of Soviet Scientific & Tech. Lit.), Aerospace Technology Div., Library of Congress, ATD Rept. P-65-68, 98 pages, (AD 621648), (Sept. 1965) [by DODGE, C. H.]

1933. "Biomedical microwave research", "Aerospace Technology Division Press, Library of Congress, 4(43):pp.?, (August 1965)

1934. "Radiation hazards", California Public Health, (Berkeley), pp. 1-12, (1965)

1935. "A standard method of determining field intensity and irradiation by electromagnetic waves in the RF and UHF bands for health purposes, preventive medical examinations of personnel and possibly of persons exposed to such radiation", Decree of the Czechoslovak Surgeon General, (1965), (In Czech.)

1936. "Control of hazards to health from microwave radiation", U. S. Army/Air Force, TB-MED-270/AFM-161-7, (Dec. 1965)

1937. "Effects of R-F energy on biological macromolecules, II", by Melpar, Inc., Falls Church, Va., for U. S. Army, Edgewood Arsenal, Md., (AD 618472), (1965)

1938. "Ground electromagnetic interference and radiation hazards", Air Force Regulation AFR-100-6, (Supersedes AFR-66-19 of Oct. 1961), (Dec. 1966)

1939. "Technical manual for radio frequency radiation hazards", NAVSHIPS 0900-005-8000, Dept. of the Navy, Naval Ship Systems Command, (July 1966)

1940. "Sanitary regulations in work with sources of MF-LF and VHF-HF electromagnetic fields" (USSR No. 615-66), (1966), 11 pages.

1941. "Safety level of electromagnetic radiation with respect to personnel", Report of U. S. of A. Standards Institute, Sponsored by U. S. Navy and Inst. of Electrical & Electronics Engineers, (USAS C95.1), (Nov. 1966); Also IEEE Trans. on Biomedical Engineering, BME-14(2):pp.?, (1967)

1942. "UHF electromagnetic fields change behavior", Radiation 90(20):389-412, (1966)

1943. "UHF changes behavior", Science News 90(20):394 only.(1966)

1944. "Dog tests increase microwave concern", Technology Week, pp. 33-34, (1966)

1945. "Electronic (RF) safety", Abstr. from 'Safety Precautions for Shore Activities', Dept. of the Navy, NAVSO P-2455, (June 1967)

1946. "Microwave equipment", Chapt. G, p. 25-, in: Electrical Safety Guides for Research; Safety and Fire Protection Technical Bulletin #13, (Div. of Operational Safety, U. S. Atomic Energy Commission), (Dec. 1967)

1947. "Radiation hazards", Abstr. from: 'Electronics Installation and Maintenance Book', Dept. of the Navy, NAVSHIPS 0967-000-0106, (formerly 900,000.100), (June 1967)

1948. "The microwave oven - a benefit and a potential hazard", In Congressional Record - Senate, (8 July 1968), pp. 8231-8234

1949. "Report of shipboard electromagnetic radiation hazard measurements (aboard the USS DECATUR (DDG-31)" (U), (CONFIDENTIAL), Naval Ship Systems Command, Dept. of the Navy, (March 1967)

1950. "Radiation Control for Health and Safety Act of 1967" (to provide for the protection of the public health from radiation emissions), Hearings before the Committee on Commerce, U. S. Senate, 90th Congress, 2nd Sessions on S. 2067, S. 3211, and H.R. 10790, Part 1, 28, 29, 30 Aug. 1967; Part 2, 6-15 May 1968, Ser. No. 90-49; Government Printing Office (Referred to in this bibliography as "Senate Hearings, 1967"), (1968)

1951. "Evaluation of microwave radiation hazard measurement equipment and techniques", Georgia Institute of Technology Research Proposal submitted to: National Center for Radiological Health, Department of Health, Education, and Welfare, (Dec. 1968)

1952. "Effects of radar on the human body", (AD 278172), (1969)

1953. "Biological effects of low intensity radio-frequency radiations", (bibliography), Allied Research Associates, Inc., Concord, Mass. Rept. No. ARA-8366, 204 pages, (1969)

1954. Report of Chief of Naval Research, Chief of Naval Development (CNR-CND) Technical Working Group on Biological Effects of Non-Ionizing Radiation, Department of the Navy, (Aug. 1969)

1955. Non-ionizing radiation biomedical development project 43-XX, Development Plan (DP), Bureau of Medicine & Surgery, Dept. of the Navy, (For Official Use Only), (April 1970)

1956. "Microwave ovens can cook your goose", Prevention: The Magazine for Better Health 22(11):113-124, (Nov. 1970)

1957. "Voltage and violets for the insane", The World's Most Socialized Medicine (USSR), Life (Magazine) 68(2):42-43, (23 Jan. 1970)

1958. "Study shows microwaves can produce cataracts", Industrial Research, p. 26 only, (Feb. 1971)

1959. "Survey of selected industrial applications of microwave energy", Bureau of Radiological Health, Division of Electronic Products; U. S. Department of Health, Education, and Welfare, Public Health Service Publication No. BRH/DEP 70-10, 67 pages, (limited distribution), (May 1970)

1960. "Electronic product radiation and the health physicist", Proc. of the 4th Annual Midyear Topical Symposium of the Health Physics Society, cosponsored by the Health Physics Society and the Bureau of Radiological Health, U. S. Department of Health, Education, and Welfare, Public Health Service, Bureau of Radiological Health Publication No. BRH/DEP 70-26, (Limited distribution), 464 pages, (Oct. 1970)

1961. "Safety procedures for RF and microwaves (equipment)". Abstr. from "Electrical Safety Guide/"Crossfeed", Naval Aviation Safety Newsletter, Dept. of the Navy, NAVEXOS P-35, (7), p. 2 only, (1970)

1962. "Radarange (R) Microwave Oven Radiation Standards, Testing and Quality Control", Prepared for the 4th Annual Midyear Symposium of the Health Physics Soc., (Louisville, Ky , Jan. 1970), by Amana Refrigeration, Inc.

1963. "Microwave cooker hazards", New Scientist 45(688):293 only, (19 Feb. 1970)

1964. "National Electrical Safety Code", National Bureau of Standards Handbook H-30

1965. "Shortwave diathermy unit instruction book", Model M.F.-49,(27.120 MHz), The Burdick Corp., Milton, Wisc.

1966. "RADHAZ Instrumentation", (RF radiation hazard), General Electric, Light Military Electronics Department, Utica, N. Y.

Addenda follows

1967. ANDRAS, J. (1958) Sdelovaci technika 6(9):331-334, (In Czech.), "Problems of/interference from industrial equipment"

1968. ARONOVA, S. B. (1961) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy & Medical Physical Culture), Moscow, 3:243-246, (In Russian), "On the problem of the mechanism of the action of a pulsed UHF field on arterial pressure"

1969. AUERSWALD, W. (1952) Wien Z. Nervenheilkunde 4:273-281, (In German), "Temperature topographic studies of the problem of the effect of short waves passing through the midbrain"

1970. AYRES, F. W., & McILWAIN, H. (1953) Biochem. J. 55:607-617, "Techniques in tissue metabolism: 2. Application of electrical impulses to separated tissues in aqueous media"

1971. BASSET, C., & ANDREW, L. (1965) Scientific American 213(4):18-25, "Electrical effects in bone"

1972. BENETATO, G., & DUMITRESKU-PAPACHADZHI, E. (1964) Rev. roumaine fiziol. 1:125-133, (In Russian), "Changes in the fibrinolytic activity of blood plasma under the influence of UHF radiation in the hypothalamic region in various age groups"

1973. BILITCH, M., LAU, F. Y. K., & COSBY, R. S. (1967) Circulation 36(Suppl. 2):68-, "Demand pacemaker inhibition by radiofrequency"

1974. BOOTH, L. F. (1970) Naval Research Laboratory (NRL) Memo. Rept. 2178, "Review of microwave safety"

1975. BOTANI, B., FRANCIOSI, A., & LORENZINI, R. (1953) Boll. soc. med. chir. Modena 53:11-14, "Biochemical effects of adrenal short-wave therapy of patients with bronchial asthma"

1976. BOURGEOIS, A. E., JR. (1967) Ph.D. Thesis, Baylor Univ., (N68-23132), (University Microfilms, Order No. 67-2927), "The Effect of Microwave Exposure upon the Auditory Threshold of Humans"

1977. BRATKOVSKIY, R. E. (1938) Fizioterapiya 3:53-58, (In Russian) "On the effect of a UHF electrical field on the oxidation processes of nitrogen exchanges in man"

1978. BRAUER, I. (1950) Chromosoma 3:483-509, (In German), "Experimental studies on the effect of meter waves of vari us field intensities on the growth of plants by division"

1979. BRAUN, H., & THOM, G. (1956) Strahlentherapie 99:617-623, (In German) "Microwave studies on experimental animals"

1980. BURCHELL, H. B. (1961) Circulation 24:161-, "Hidden hazards of cardiac pacemakers"

1981. CARPENTER, R. L., (Chm.), (1971) "Microwave" Session of the Internat. Conf. on Non-Ionizing Radiation Safety, sponsored by Medical Center of Univ. of Cincinnati, 29-31 Mar.

1982. COCOZZA, G., BLASIO, A., & NUNZIATA, B., (1960) Pediatria rivista d'igiene med. e chir. dell'infanzia 68(1):7-23, (In Italian) "Remarks on short-wave embryopathy"

1983. COMPERE, A. (1935) C. r. seances soc. biol. filiales associees 120:237-240, (In French) "Changes in blood composition during short-wave treatment"

1984. CZERSKI, P., HORNOWSKI, J., & SZEWCZYKOWSKI, J. (1964) Med. pracy 15:251-253, (In Polish) "A case of microwave disease"

1985. DANILEVSKIY, D., & VOROBEV, A. (1935) Pflugers Arch. Ges. Physiol. 236:440-451, (In German) "On the long-range effect of electrical high-frequency currents on the nerves"

1986. DONETSKAYA, O. L. (1959) Gigiyena i sanitariya (9):29-35, (In Russian) "Use of ultrasound and high-frequency currents to counteract the carcinogenic effect of shale chamber tar"

1987. DUVALL, E. (1971) Mead (Data) Central, Inc., (1254 Jefferson Davis Highway, Arlington, Va., 22202), "Computer storage of selected articles on the biological effects of electromagnetic radiation"

1988. FEIN, R. L. (1967) J. of the Amer. Medical Assoc. 202:101-103, "Transurethral electrocautery procedures in patients with cardiac pacemakers"

1989. FRANKE, V. A. (1960) In: Collection of Scientific Papers of the VCSPS Institutes of Industrial Safety, Leningrad, 3:36-45, (In Russian) "Calculation of the absorption of energy from an electromagnetic field by means of semiconductor models resembling the human body"

1990. FRANKE, V. A. (1961) In: High-Frequency Electrothermal Apparatus, Leningrad, pp. 138-144, (In Russian) "Problems of safety when working with RF and UHF installations in industry"

1991. FREY, A. H. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):153-164, "Biological function as influenced by low-power modulated RF energy"

1992. GRISHCHINA, K. F. (1958) Biofizika 3:358-362, (In Russian) "Significance of certain methodological conditions in a reaction to the local action of centimeter waves"

1993. GRUSZECKI, L. (1964) Przeglad lekarski, Cracov, 20:336-338, "Influence of microwaves radiated by a radar transmitter on the human and animal organism" (In Polish)

1994. GRZESIK, J., KUMASZKA, F., & PARADOWSKI, Z. (1960) Med. pracy 11:323-330, (In Polish) "Influence of a medium-frequency electromagnetic field on organ parenchyma and blood proteins in white mice"

1995. HARMSEN, H. (1953) Arch. physik. Therap. 5:331-335, (In German). "The lethal effect of meter waves on insects"

1996. HARMSEN, H. (1954) Arch. Hyg. 138:278, (In German) "On the biological effect of ultra-short waves of low field strength on rats"

1997. HARVEY, A. F. (1960) Proc. of the Inst. of Electrical Engineers 107:557-566, "Industrial, biological, and medical aspects of microwave radiation"

1998. HASCHE, E. (1940) Naturwissenschaften 8:613, "The action of short waves on tissue"

1999. HASIK, J., & MIKOLAJCZYK, Z. (1960) Polski Tygodnik Lekarski 15:817-820, (In Polish), "Retention of sugar, cholesterol, and lipids in the blood of diabetics under the influence of short waves"

2000. HIGASHI, K. (1948) Science (Japan) 18:467-468, "Denaturation of protein by ultra-short waves"

2001. HILDEBRANDT, F. (1941) Arch. exp. path. Pharmak. 197:148-160, (In German), "Histamine in the blood and tissue under the influence of short waves, diathermy, and fango mud packs"

2002. HINES, H. M., & RANDALL, J. E. (1952) Electronic Engineering 71:879-881, "Possible industrial hazards in the use of microwave radiation"

(6)

2003. HIRSCH, F. G., & PARKER, J. T. (1952) AMA Arch. of Industr. Health 6:512-517, "Bilateral lenticular opacities occurring in a technician operating a microwave generator" (Abstr. in: Ophth. Lit. 6(7):913 (Mar. 1954))

2004. HODUCH, S., BARANSKI, S., & CZERSKI, P. (1960) Acta physiol. pol. 11:717-719, "Effect of microwave radiations on the human organism"

2005. HUBNER, R. (1961) Elektromedizin 6:193-209, (In German) "The biological effect of microwaves"

2006. HUBNER, R. (1962) Schweizer Maschinenmarkt 62:39-42, (In German) "The effect of powerful radar beam "

and 79,

2007. JASKI, T. (1961) Electronics World 65(6):31-37, "Detecting microwave radiation hazards"

2008. KAPLAN, I. T., METLAY, W., ZARET, M. M., BIRENBAUM, L., & ROSENTHAL, S. W. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):168-173, "Absence of heart-rate effects in rabbits during low-level microwave irradiation"

2009. KARBASHEV, V. L. (1957) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy & Medical Physical Culture), Moscow, 22:37-41, (In Russian) "The effect of a pulsed ultrahigh-frequency electrical field on processes of biological oxidation under conditions of normal and experimental hypertonicity"

2010. KHOLODOV, YU. A. (1966) In: Problems of Space Medicine, Moscow, pp. 378-379, (ATD Rept. 66-116), "The biological effect of magnetic fields"

2011. KNUDSON, A., & SCHAIBLE, P. F. (1931) Arch. of Path. 11:728-743, "Physiological and biochemical changes resulting from exposure to an ultrahigh-frequency field"

2012. KOHLER, F. P., & MACKINNEY, C. C. (1965) J. of the Amer. Medical Assoc. 193:855-, "Cardiac pacemakers in electrosurgery"

2013. KRAFT, D., EMMRICH, K., GUNTHER, K., et al. (1967) Zentralbl. Chir. 92:Suppl:1799-, (In Germ "Studies on the physical influences on implanted pacemakers"

2014. KRATZING, C. C. (1951) Biochem. J. 50:253-257, "Metabolic effects of electrical stimulation of [illegible]ian tissues in vitro"

2015. KULIKOVSKAYA, E. L., & OSIPOV, J. A. (1960) Gigiyena truda 6:3-7, (In Russian) "Electromagnetic f[illegible]s in work areas where high-frequency heating is employed"

2016. LEPESCHKIN, W. W. (1948) Biochem. Z. 318:15-43, (In German) "Electrical short waves and serum proteins"

2017. LI, T-C. (1961) Chinese J. of Surgery (11):783-784, (JPRS 44,[illegible]37), "Study on tr[illegible]ment of abscess and cellulitis with ultra short waves"

2018. LICHTLEN, P. (1966) Schweiz Med Wochenschr 96:867-, "Disturbances of cardiac pacemaker by radio frequency currents"

2019. McAFEE, R. D. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):251-252, "Analeptic effect of microwave irradiation on experimental animals"

2020. MALYSHEV, V. M., & KOLESNIK, F. A. (1968) Izd-vo "Meditsina", Leningrad, Effects of SHF Electromagnetic Fields on Human Health

2021. MANHA, K. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):165-168, "Microwave radiation safety standards in Eastern Europe"

2022. MILROY, W. C., & MICHAELSON, S. M. (1970) Health Physics 20:567-575, (Univ. of Rochester Rept. No. UR-49-1314), "Biological effects of microwave radiation"

2023. ROSENSTEIN, M., BRILL, W. A., & SHOWALTER, C. K. (1969) Report No. OCS 69-1, Bureau of Radiological Health, Department of Health, Education, and Welfare, Rockville, Md., "Radiation exposure overview - microwave ovens and the public"

2024. ROSENTHAL, S. W., (Chm.), (1971) "Biological Effects of Non-Ionizing Radiation", Session of the IEEE Internat. Convention and Exposition, N. Y., (22-25 Mar)

2025. SAMARAS, G. M., MUROFF, L. R., & ANDERSON, G. E. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):245-247, "Prolongation of life during high-intensity microwave exposures"

2026. SCHWAN, H. P. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):146-152, "Interaction of microwave and radio frequency radiation with biological systems"

2027. SCHWAN, H. P. (1971) Proceedings of the "Biological Effects of Non-Ionizing Radiation" Symposium, IEEE Internat. Convention & Exposition, N. Y., (Rosenthal, S. W., chm.), (22-25 Mar), "Biological effects of microwave radiation"

2028. SHAPIRO, A. R., LUTOMIRSKI, R. F., & YURA, H. T. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves MTT-19(2):187-196, "Induced fields and heating within a cranial structure irradiated by an electromagnetic plane wave"

2029. YAKIMENKO, D. I. (1961) Vest. derm. vener. 35:33-36, (In Russian) "Treatment of certain neurotrophic skin diseases with ultraviolet radiation and high-frequency currents in small doses"

2030. ZARET, M. M. (1971) Proceedings of the "Biological Effects of Non-Ionizing Radiation" Symposium, IEEE Internat. Convention and Exposition, N. Y., (Rosenthal, S. W., chm.), (22-25 Mar), "Clinical aspects of non-ionizing radiation"

Unsigned Reports and Articles: Addenda

2031. "Oven leakage of microwaves 'considerable'", U. S. Medicine 7(8):30 only, (Apr. 15, 1971)

2032. "Meter measures oven radiation", Microwaves _:18 only, (July 1971)

2033. "Heat (Diathermy) treatment may cause cataract", Science News Letter 98(19):368 only, (Nov. 7, 1970)

2034. "Deep heating is held a danger to athletes", Hospital Tribune _:20 only, (Feb. 8, 1971)

2035. "Non-thermal radiation effects investigated", Microwaves _:10 only, (Nov. 1970), (Report of discussions at 5th Internat. Symposium of the Internat. Microwave Power Institute (IMPI), Scheveningen, The Netherlands, 6-9 Oct. 1970)

2036. "Did secret beam produce rumors - or brain tumors?", Medical World News 12(5):19 only, (1971) [Rare type of brain tumor (astrocytoma) alleged to have been caused by microwave radiation]

2037. "Plane signals all in lady's head", Washington Star, (22 April 1971)

2038. "Microwave ovens", Look Magazine 35(4):18 only, (Feb. 23, 1971)

2039. "Microwave (food) sterilization", Washington Science Trends _, (12 Apr. 1971). (Studies reported by E. M. Kenyon, U. S. Army Natick Laboratories, Natick, Mass. Available as Rept. AD 715-853, from NTIS, U. S. Department of Commerce, Springfield, Va. 22151)

2040. "Army developing radar for possible anti-riot weapon", Microwaves 10(4):18 only, (Apr. 1971)

2041. "Radar plane crews may have eye damage", Microwaves 10(4):9 only, (Apr. 1971)

2042. "Electromagnetic radiation experts study heart pacemakers", Study by Soc. of Automotive Engineers, Ref?

2043. "Radiation leakage, ovens", Washington Post, p. H2, (8 Aug. 1971)

2044. "Radiation rumor may be probed", Electronics 44(16):17 only, (2 Aug. 1971) [Rare type of brain tumor (astrocytoma) alleged to have been caused by microwave radiation]

2045. "Plans developing for national study of broadcasting 'hazards'", Washington Science Trends XXVI(14):79-80, (12 July 1971)

2046. "Malfunction of heart pacemakers", U. S. Navy Medicine 56:25 only, (Nov. 1970)

2047. "Microwave cataract case re-opens controversy", Washington Science Trends XXV(5):25-27, (9 Nov. 1970)

2048. "Microwave conference", Proc. of the European Microwave Conf. held in London Sept. 1969, 570 pages. (1969 European Microwave Conf., IEE Conf. Publication 58, Dept. S 100, Institute of Electrical Engineers, Savoy Place, London WC2R OBL, England)

2049. "Microwave tests kill monkeys", The Washington Post, p. D27, (Column by Jack Anderson), (31 July 1971)

2050. "(RF) Glow discharge lessens wool's shrinkage", Chem. & Engineering News _:28 only, (3 May 1971)

2051. "A low field electron spin resonance study of the effect of radiation in living animals", Final report on Project No. 05-1927-01, Contract No. DA-49-146-XZ-560, Defense Atomic Support Agency, Wash., D. C., DASA-1952, (AD 816130), (June 1967)

2052. "Electromagnetic waves speed up potato growth rate", Glos Wybrzeza, (Rumania), _:4-, (29 May 1966)

2053. "Electronic device for treating nervous system diseases", Nedelya, (Bulgaria), _(7):8-, (5 Feb. 1967)

2054. Proceedings of the Department of Defense Electromagnetic/Research Workshop, Sponsored by the Bureau of Medicine & Surgery, Dept. of the Navy, Washington, D. C., 27-28 Jan. 1971. Contents:

MITCHELL, J. C., & GASS, A. B., pp. 1-14, "Hematological and biochemical results from RF exposures at 10.5, 19.3, and 16.6 MHz"

FRAZER, J. W., pp. 15-32, "Empirical data on energy transfer models and application to primates"

PRINCE, J. E., pp. 33-49, "A possible cytologic aspect on RF radiation in subhuman primates"

GREENE, F. M., pp. 50-79, "Design and calibration of E and H field probes for HF band application"

BEISCHER, D. E., & RENO, V. R., pp. 80-96, "Naval Aerospace Medical Research Laboratory microwave facility"

BEISCHER, D. E., & GRISSETT, J. D., pp. 97-114, "Extremely low frequency radiation and man"

FRAZER, J. W., pp. 115-132, "Use of temperature sensor implants and radiometric technique to monitor animal temperatures in RF fields"

MITCHELL, J. C., pp. 133-138, "Modified exposure system for HF band RF radiation studies"

GASS, A. E., JR., pp. 139-146, "Preliminary study of 26.6 MHz radiation on the growth rate of young mice"

MICKEY, G. F., pp. 147-164, "Genetic damage to cells and organisms exposed to RF irradiation"

McLEES, B. D., & FINCH, E. D., pp. 165-174, "The effect of radio frequency irradiation on biologically important macromolecules"

McLEES, B. D., & FINCH, E. D., pp. 175-206, "The effects of radio frequency radiation on regenerating hepatic tissue"

FINCH, E. D., pp. 207-235, "Experimental protocol for the irradiation of biological systems with radio frequency electromagnetic energy" and "An alternative to dielectric absorption: pulsed NMR determinations of the structure of 'bound' water and its interaction with radio frequency electromagnetic radiation"

FINCH, E. D., HAMMON, J. F., & MULLER, B. H., pp. 236-242, "Self-diffusion of water in tissue"

GLASER, Z. R., pp. 243-254, "Biological studies at microwave frequencies"

SILVERMAN, C., pp. 255-267, "Followup study of radar workers"

SCHWAN, H. P., & KRITIKOS, H. N., pp. 268-287, "Current microwave studies"

STRAUB, K. D., pp. 288-300, "Preliminary results of non-ionizing radiation effects research"

HUNT, E. L., & PHILLIPS, R. D., pp. 301-327, "Effects of microwave radiation on physiological behavioral factors and CNS excitability in laboratory animals"

SHARP, J. C., pp. 328-334, "Thymidine gas H^3 uptake following low level microwave exposure"

JUSTESEN, D. F., pp. 335-349, "Behavioral sensitivity to microwave irradiation"

BRIZZEE, K. R., JUSTESEN, D. R., KRIEGEL, H., & SHARP, J. C., pp. 350-352, "Cytokinetic effects of microwave irradiation"

BRIZZEE, K. R., JUSTESEN, D. R., & KING, M. W., pp. 353-364, "Microwaves and density of brain cells"

DuVALL, E., pp. 365-370, "Status of world literature base"

5 October 1971
(Revised 15 April 1972)*
(CITATIONS #2055 through #2072)

FIRST SUPPLEMENTARY LISTING*

to

Bibliography of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation; Naval Medical Research Institute Research Report No. 2 on Project MF12.524.015-0004B, dated 4 October 1971, by Zorach R. Glaser. (AD #734391)

2070. BEYER, E. C., & FAY, T. L. (1970) In: Radio [illegible] Effects Summary Report, Hodge, D. C., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. [illegible]), pp. 188-189, "Genetics of Drosophila melanogaster exposed to 2450 MHz microwave radiation"

2055. CORLL, C. C. (1969) In: Biological Effects of Magnetic Fields, Vol. 2, pp. 29-51, Plenum Press, "Effects of near-zero magnetic fields upon biological systems"

2056. HARDELL, L. J. (ed.) (1971) Microwaves 10(8):9-12, (Aug.), "Microwave inquiry helps FAA foil hijackers"

2064. HERBERT, S. (1969) Amer. J. of Physiol. 217:403-410, "Radio-frequency-current and direct-current lesions in the ventro-medial hypothalamus"

2065. HOLT, D. A., & SCHNEIDER, L. K. (1970) Experientia 26:992-994, "The effects of non-thermal radio frequency radiation on human lymphocytes in vitro"

2066. JOLLES, B., & HARRISON, R. (1970) Strahlentherapie 139:716-723, "Studies of the influence of wavelength on biological effects. Time and dose differentials at radiation action sites in the skin"

2069. McLAUGHLIN, J. R. (1962) Western Medicine 3:126-132, (April), "Health hazards from microwave radiation"

2068. MACCIOLI, J. T. (1971) Bioenvironmental Safety Newsletter, pp. 3-5, (4th Quarter), "RF health hazards and monitoring meters -- Recent Notes"

2057. MICHAELSON, S. M., & DODGE, C. H. (1971) Health Physics 21:108-111, "Soviet views on the biological effects of microwaves -- An analysis"

2072. MIRO, L., DELTOUR, G., PFISTER, A., & KAISER, R. (1970) Revue de Medecine Aeronautique et Spatiale, No. 33, pp. 7-8 (in French), "Difficulties involved in describing the dangerous zones for personnel working near radar antennas"

2058. MUMFORD, W. W. (1971) Presentation at Meeting of N. Y. Acad. of Sci., 6 Oct., "Radio-frequency radiation hazards"

2067. OLIVER, R. (1970) Phys. Med. Biol. 15:217-, "Health physics in relation to the use of non-ionizing radiations"

2059. POWELL, C. H., & ROSE, V. E. (1970) Amer. Industrial Hygiene Assoc. J. 31:358-361 (May-June), "Health surveillance of microwave hazards"

2071. THOMAS, A., COUGET, P., & PARCILLEUX, A. (1970), French Patent No. 2,036,491, (No. 69.07475), "Procedure and techniques for destruction of micro-organisms in aqueous medium" [using low frequency (45 to 5000 Hz) alternating electromagnetic currents]

2060. WEBB, S. J., & BOOTH, A. D. (1971) Science 174(4004):72-74, (1 Oct.), "Microwave absorption by normal and tumor cells"

2061. "And now, microwave pollution -- An expose of the damage wrought to humans by radar, electronic ovens, and TV transmission," In: Moneysworth Magazine (In: Issue to be published, Fall 1971), (110 West 40th Street, New York, N. Y. 10018)

2062. "Biological Effects of Electromagnetic Radiation - A Bibliography," Behavioral Radiology Lab., Walter Reed Army Institute of Research, Wash., D. C., 250 pages, (1971) [by M. H. Grove]

2063. "Technical manual for radio-frequency radiation hazards," especially Appendix A, entitled, "Biological effects of rf radiation;" First Revision of NAVSHIPS 0900-005-8000 Manual (Ref #1939, this bibliography), Dept. of the Navy, Naval Ship Engineering Center (July 1971)

*Note: Items in this list have been alphabetized but the original numbering has been retained.

APPENDIX A

ACCESSION NUMBERS

Prefix of Report Number	Agency Assigning Number
AD-	Defense Documentation Center (DDC), formerly Armed Services Technical Information Agency (ASTIA)
JPRS-	Joint Publications Research Service
LC-ATD-	Library of Congress - Aerospace Technology Division
PB-	National Technical Information Service (NTIS), U. S. Dept. of Commerce
RADC-TR-	Rome Air Development Center, Griffiss Air Force Base, N. Y.
OTS-	Office of Technical Services, U. S. Dept. of Commerce
DA-	Department of the Army
SC-	Sandia Laboratory, Albuquerque, New Mexico
ACSI-	Assistant Chief of Staff for Intelligence (Army, Washington, D. C.)
CR-	National Aeronautics and Space Administration
N-	Scientific & Technical Aerospace Reports (STAR) of NASA
A-	International Aerospace Abstracts of Amer. Inst. of Aeronautics & Astronautics
X-	Classified NASA document (avail. from NASA Sci. & Tech. Info. Facility, P. O. Box 33, College Park, Md., 20740)
NLL-	National Lending Library for Science & Technology, Boston Spa, England

21 November 1971

SECOND SUPPLEMENTARY LISTING

to

Bibliography of Reported Biological Phenomena ("Effects"), and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation; Naval Medical Research Institute Research Report No. 2 on Project MF12.524-0004B, dated 4 October 1971, by Zorach R. Glaser.

2073. BARANSKI, S. (1971) Aerospace Medicine 42(11):1196-1199, "Effect of chronic microwave irradiation on the blood forming system of Guinea pigs and rabbits"

2074. BOSISIO, R. G., & BARTHAKUR, N. (1969) J. of Microwave Power 4:190-, (Abstr. in: Non-ionizing Rad. 1(4):193 only, (1970)), "Microwave protection of plants"

2075. BOSISIO, R. G., BARTHAKUR, N., & SPOONER, J. (1970) J. of Microwave Power 5:47-53, (Abstr. in: Non-ionizing Rad. 1(4): 193 only, (1970)), "Microwave protection of a field crop against cold"

2076. BREYSSE, P. A. (1969) J. Microwave Power 4:25-29, (Abstr. in: Non-ionizing Rad. 1(2):102-103, (1969), Abstract #43), "Microwave uses on the Campus; a study of environmental hazards"

2077. CLEARY, S. F. (1970) Critical Reviews in Environmental Control 1 (Chemical Rubber Co.):257-306, (Abstr. in: Non-ionizing Rad. 1(4):194 only, (1970)), "Biological effects of microwave and radio frequency radiation"

2078. DAVIS, F. S., WAYLAND, J. R., & MERKLE, M. G. (1971) Science 173:535-537, (6 Aug.), "Ultrahigh-frequency electromagnetic fields for weed control: Phytotoxicity and selectivity"

2079. DOBREV, B., et al. (196?) Works of the Scientific Research Institute of Labour Protection and Occupational Diseases (Sofia, Bulgaria), 17:31-40, (Abstr. in: Non-ionizing Rad. 2(1):43 only, 1971)), "High frequency electromagnetic waves and (p[illegible]tion of) ozones"

2080. HAMID, M. A. K., BOENER, W. M., & TONG, S. C. (1970) J. of Microwave Power 5:44-46, (Abstr. in: Non-ionizing Rad. 1(4): 193 only, (1970)), "Microwave irradiation of potato-waste water"

2081. HAMID, M. A. K., & BOULANGER, R. J. (1969) J. Microwave Power 4:11-18, (Abstr. in: Non-ionizing Rad. 1(2):102 only, (1969), Abstract #40), "New method for control of moisture and insect infestations of grain by microwave power"

2082. HEYDENREICH, A. (196?) [illegible]beitsmedizin - Sozialmedizin - Arbeitshygiene, (Stuttgart), 4:280-284, (Abstr. in: Non-ionizing Rad. 2(1):44 only, (1971)), "Radiation-induced eye lesions"

2083. IIZUKA, K. (196?) Report (AD 667729) Avail. from DDC Clearing House, "Photographing microwave fields"

2084. JANES, D. E., LEACH, W. M., MILLS, W. A., MOORE, R. T., & SHORE, M. L. (1969) Non-ionizing Rad. 1(3):125-130, "Effects of 2450 MHz microwaves on protein synthesis and on chromosomes in Chinese hamsters"

2085. JOLY, R., et al. (196?) Revue des corps de sante des armees, (Paris), 10.235-259, (Abstr. in: Non-ionizing Rad. 2(1):43 only, (1971)), "Possible biological and physiopathological effects of v.h.f. electromagnetic radiations from radar aerials"

2086. McLEES, B. D., & FINCH, E. D. (1972) In: Advances in Biological and Medical Physics, 14, Academic Press, N. Y., "Analysis of the reported physiologic effects of microwave radiation"

2087. MAY, K. N. (1969) J. Microwave Power 4:54-59, (Abstr. in: Non-ionizing Rad. 1(3):151 only, (1969), Abstract #67), "Applications of microwave energy in preparation of poultry convenience foods"

2088. MICHAELSON, S. M. (1970) Non-ionizing Rad. 1(4):169-176, "Pathophysiological aspects of microwave irradiation, Part 1 - Thermal effects"; Part 2, ibid. (1971) 2(1):27-38, "Critical analysis of the literature"

2089. PAZDEROVA, J. (1968) Pracovni Lek. 20:10-, "Effects of electromagnetic radiation of the order of centimeter and meter waves on human's health"

2090. PLIHAK, M., SERVUS, V., & SCHUBERTOVA, J. (196?) Vojenske zdravotnicke listy (Prague), 38(1):7-9, (Abstr. in: Non-ionizing Rad. 1(4):194 only, (1970)), "Hazards associated with microwaves, and preventive examinations of radar specialists"

2091. PLISCHKE, L. W., & WOLFF, W. F. (196?) J. of the American Soc. of Safety Engineers 14(6):12-15, (Abstr. in: Non-ionizing Rad. 2(1):43 only, (1971)), "Tuned in or turned on -- r.f. radiation study"

2092. ROGERS, S. J., & KING, R. S. (1970) Non-ionizing Rad. 1(4):178-189. "Radio hazards in the m.f./h.f. band"

2093. ROSE, V. E., GELLIN, G. A., POWELL, C. H., & BOURNE, H. G. (1969) Amer. Industrial Hygiene Assoc. J. 30:137-, "Evaluation and control of exposures in repairing microwave ovens"

2094. SALENSKY, B., NEDBAL, J., & ZAKOVA, L. (1967) Pracovni lekarstvi 20:363-366, (Abstr. in: Non-ionizing Rad. 1(3)152-[illegible], (1969)), (Also CIS abstract 562-1969), "State of health of workers exposed to radiofrequency radiation in industrial establishments at Brno"

2095. TAKAHASHI, K., VASISHTH, R. C., & COTE, W. A. (1969) J. Microwave Power 4:64-67, (Abstr. in: Non-ionizing Rad. 1(3):151 only, (1969), Abstract #69), "Uniform polymer distribution in paper saturated with polymer solution, via microwave power"

2096. TERRILL, J. G. (1970) Archives of Environmental Health 19:265-271, (Abstr. in: Non-ionizing Rad. 1(4):195 only, (1970)), "Microwaves, lasers and X-rays -- adverse reactions due to occupational exposures"

2097. URBAIN, W. M. (1969) J. Microwave Power 4:59-61, (Abstr. in: Non-ionizing Rad. 1(3):151 only, (1969), Abstract #68), "Some thoughts on the problems of microwave heating and food processing"

2098. "Non-ionizing radiation - an introduction", Non-ionizing Rad. 1(1):5-6, (1969)

2099. "Biological injuries and effects", Rept., Bur. of Rad. Health/DEP 70-3, Dept. of Health, Education and Welfare, (Abstr. in: Non-ionizing Rad. 2(1):41 only, (1971))

2100. "Consumer hazards: Why they happen and how they can be fixed", Electronics, 3 August 1970, pp. 54-67, (Abstr. in: Non-ionizing Rad. 2(1):44 only, (1971))

2101. "Microwave Oven Safety", in: Hospital Administration Notes, No. 41, Bureau of Medicine & Surgery, Department of the Navy, p. 7 only, Oct. 1971.

17 April 1972

THIRD SUPPLEMENTARY LISTING

to

Bibliography of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation; Naval Medical Research Institute Research Report No. 2 on Project MF12.524.015-0004B, dated 4 October 1971, by Zorach R. Glaser. (AD #734391)

2102. ALLIS, J. W., & JANES, D. E. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 131-136, "Ultraviolet spectral changes in bovine serum albumin after irradiation with microwaves at 2.45 GHz"

2103. BAERWALD, F. R. (1970) Wehrmedizinische Monatsschrift 14:249-257 (In German), (Abstr. #A71-12845), "Effects, precautionary measures, and medico-military aspects involved in handling microwaves"

2104. BAKER, K. F., & FULLER, W. H. (1965) Unpub. data cited in: OLSEN, C. M., DRAKE, C. L., & BUNCH, S. L., J. of Microwave Power 1:45-56, "Some biological effects of microwave energy"

2105. BALDWIN, M. T., & EDWARDS, W. P. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept. No. DBE 70-1), pp. 83-94, "Cerebral effects of radio frequency energy"

2106. BARTSEVICH, B. N., ILIN, A. V., KRIVENKO, V. N., ROGUSSKII, S. S., & ULITSKII, L. A. (1970) Voenno-Meditsinskii Zhurnal __:39-41 (In Russ.), (Abstr. #A70-20489), "Results of dynamic observation of persons working in the region of influence of a microwave field" [Study of behavior and blood chemistry (including proteins)]

2107. BEHLING, U. H. (1969) Report (7 pages), U.S. Dept. Health, Education, & Welfare, Public Health Service, Consumer Protection & Environ. Health Service, Environ. Control Admin., Bur. of Rad. Health, "Biological effects of radio- and low-frequency electromagnetic radiation" (Preliminary Draft)

2108. BELOVA, S. E. (1962) In: The Effects of Radar on the Human Body (Results of Russian Studies on the Subject), Turner, J. L., (ed.), pp. 43-48, (AD #278172), "The effects of microwave irradiation on the eye"

2109. BEREZINSKAJA, D. I. (1940) Vestn. Oftal. 16:466-470 (In Russ.), (Abstr. in: Zentralbl. f.d. ges. Ophth. 47(1):21 (Sept 16, 1941)), "The effects of diathermy on the anterior part of the eye"

2110. BEUCHAT, L. R., FOX, K. I., LECHOWICH, R. V., & WEBSTER, F. H. (1969), (Abstr. #A69-80724), "Procedure for evaluating the effects of 2,450 MHz microwaves upon Streptococcus faecalis and Saccharomyces cerevisiae"

2111. BEYER, F. C., PAY, T. L., & IRVIN, F. T., Jr. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 248-250, "Developmental and genetic testing of Drosophila with 2,450 MHz microwave radiation"

2112. BIELICKI, Z., BARANSKI, S. CZERSKI, P., & HADUCH, S. (1963) Rev. Med. Aero. (Paris) 2:106-107 (Feb-Mar), (In Fr.), "Analysis of difficulties of occupational activity in personnel exposed to micrometric wave irradiation"

2113. BIRENBAUM, L., KAPLAN, I. T., METLAY, W., ROSENTHAL, S. M., SCHMIDT, E., & ZARET, M. M. (1969) J. of Microwave Power 4:232-243, "Effect of microwaves on rabbit eye"

2114. BLAGODATIN, Ya. A. (1960) In: Sbornik Rabot Kliniki Glaznykh Boleznei, Gorkii, pp. 19-25, (In Russ.), (Abstr. in: Abstr. of Soviet Med. 5(5):745-746 (May, 1961)), "The effect of cyclodiathermy coagulation on the eye of rabbits"

2115. BOGGS, R. F., & SHEPPARD, A. P. (1971) Ph.D. Dissertation, Georgia Inst. of Technology, Atlanta, Dissertation Abstr. __:766B, (134 pages), "Determination of the effects of electromagnetic energies on the hematologic system"

2116. BOGGS, R. F., SHEPPARD, A. P., & CLARK, A. J. (1972) Health Physics 22(3):217-224, "Effects of 2450 MHz microwave radiation on human blood coagulation processes"

2117. BOUCHAT, J., & MARSOL, C. (1967) Arch. Ophthalmol. (Paris) 27(6):593-596 (In Fr.), "Bilateral capsular cataracts from radar"

2118. BRECHER, S. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. DBE 70-1), pp. 176-177, "The reversal of mitotic effects of Colcemid in cultures of human peripheral lymphocytes"

2119. BRETZ, K., & KUZMANN, E. (1970) In: Proc. of Hungarian Acad. of Sci., & Sci. Soc. for Telecommunication, Colloq. on Microwave Communication, 4th, Budapest (Apr. 21-24, 1970), "Effect of microwave fields on biological structures" [Mossbauer spectrum of submolecular changes of oxy-hemoglobin in animal blood exposed to microwave irradiation]

2120. BROWN, P. F. (1965) Brit. Comm. & Electronics 12:20-23, (Abstr. #A65-14639), "Measuring intense RF radiation" [including radiation effects on humans]

2121. BUCHAN, M. F. (1971) Pennsylvania Triangle (A Univ. of Penna. Undergraduate Publication 39(2):6-9 (Nov), "Electromagnetic response in bone"

2122. BUNN, R. A., LASKEY, J., & KELLY, C. (1970), In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 161-163, "Hematological response of [illegible] rats following 2450 MHz microwave irradiation;" and (with DAVIS, T.) pp. 164-166, "Kinetics of mouse hematopoietic colony-forming units following injury by 2450 MHz microwave irradiation"

2123. BURMEISTER, H. (1956) Klin. Wbl. Augenh. 129(3):336-342, (In Ger.), (Abstr. in: Zentralbl. f. d. ges. ophth. 71(2):117 (July 1957)), "Results of irradiating the eyes with microwaves"

2124. BURNER, A. H. (1969), IEEE Internat. Conf. on Communication, Vol. 69C29-COM, (June 9-11), pp. 32-1 through 32-6, "Biologic effects of radio and microwaves: present knowledge; future directions"

2125. BYCHKOV, M. S. (1961) Tr Lening Obshchestva Yestestvoispytateley 62(1):110-, "The effect of an SHF electrical field on strychnine poisoning in white mice"

2126. CALDWELL, J. C., CLARK, W. B., DOUGHERTY, J. D., & HOWE, W. M. (1965) Aerospace Medicine 36:466-471 (Rept. #A65-81073), Evaluation of an alleged case of radiation-induced cataract at a radar site"

2127. CARAMAZZA, F. (1932) Atti Cong. Soc. Oftal. Ital. 31:264-274 (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 31(2): 71-72 (1934)), "Experimental research on adhesive chorioretinitis due to diathermy coagulation of the diasclera"

2128. CARAMAZZA, F. (1933) Boll. Ocul. 12:1357-1426, (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 31(11):658 (1934)), "Adhesive chorioretinitis after diascleral and transcleral diathermocoagulation"

2129. CARLOTTI, M., ROLAND, J., & ROLAND, M. (1936) Rev. Oto-neuro-oftal. 14(4):260-268, (In Fr.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 36(11/12):644 (1936)), "The effects of short waves of very high frequency on the superficial circulation of the ocular globe, the retina, and the optic nerve"

2130. CARLSON, H. L. (1967) Report (N67-25893, NASA-CR 83925, NSR-36008027), "Dielectric constant of vegetation at 8.5 GHz"

2131. CARROLL, D. E. & LOPEZ, A. (1969), J. of Food Science 34:320-324, "Lethality of radiofrequency energy upon microorganisms in liquid, buffered, and alcoholic food systems"

2132. CARSON, R. W., & INNIS, W. E. (1970) Naval Weapons Lab. (Dahlgren, Va.), Tech. Rept. TR-2481, "Electrical impedance of the human body for HF (2-30 MHz) band, (Initial results)"

2133. CEPERO-GARCIA, G., & COMAS-CESPEDES, L. (1933) Rev. Cubana Oto-neuro-oftal. 2:199-208 (July/Aug), (In Span.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 30(9):488 (1934)), "The action of medical diathermy on the normal and pathologic eye"

2134. CHASON, L. R. (19??) Ph.D. Dissertation, Baylor University, "The effects of visible light and microwave radiation on endocrine organs in the rat"

2135. CHERKOVA, L. K. (1965) Electronic Treatment of Material (3):89-96, (N66-36597), "On the role of electrical and magnetic fields in the vital activities of biological systems"

2136. COGAN, D. G. (1958) In: Systemic Ophthalmology, Part VI, Chapt. 4, sec. IV, pp. 637-643 (Sorsby, A., ed.), 2nd edition, London: Butterworth & Co., Ltd., "Radiant energy" [Effects on eye of various forms of radiation: including r-f, microwaves, etc.]

2137. COGAN, D. G., DONALDSON, D. D., & REESE, A. B. (1952) AMA Arch. of Ophthalmol. 47:55-70, "Clinical and pathological characteristics of radiation cataract"

2138. COHEN, B. H., & LILIENFELD, A. M. (1970), Annals of the N. Y. Academy of Science 171, Art. 2:320-327, "The epidemiological study of mongolism in Baltimore"

2139. COHEN, L., & WOLICKI, E. A. (1971) Naval Research Laboratory Rept. #7306, 18 pp. (AD 887806L), "Nuclear resonance absorption as a diagnostic and investigative technique" [including a discussion of the interaction of short-wavelength electromagnetic radiation with matter]

2140. CORRADO, M. (1938) Ann. Ottalm. e Clin. Ocul. 66(10):721-739, (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 43(6): 349 (June 27, 1939)), "The effects of short-wave irradiation (short waves of 30 m and ultrashort waves of 6 m) on the circulation of the ocular fundus"

2141. DAINOTTO, F., et al. (1962) Policlinico 69:270-, (In Ital.), "Study of glycositic fractions in the skeletal muscle of experimental animals treated with microwaves"

2142. DANELIN, J. (1971) Federal Communication Commiss. Rept. No. 7104, "VHF-UHF radiation hazards and safety guidelines"

2143. DANIELS, R. (19) In: Frequency Technology 7(10):38-40, "Some side effects of EMC (electromagnetic compatibility)"

2144. DAVIE, S. J., ROMERO-SIERRA, C., TANNER, J. A., & VILLA, F. (1969) In: Proceedings, World Conf. on Bird Hazards to Aircraft, Nat. Res. Council, Queen's Univ. Kingston, Ontario, Can., pp. 215-221, (Abstr. #A70-35993), "Microwaves - a potential solution to the bird hazard problem in aviation"

2145. DOCHEIN, I. I. (1970) Voenno-Meditsinskii Zhurnal _:42-43, (In Russ.), (Abstr. #A71-20539), "Influence of a microwave field on the hemopoietic system"

2146. DUKE-ELDER, W. S. (1926) Lancet 1:1137-1140, 1188-1191, 1250-1254, "The pathological action of light upon the eye" [including very long wavelength "light"]

2147. DYACHENKO, N. A. (1970), Voenno-Meditsinskii Zhurnal _:35-37, (In Russ.), (Abstr. #A70-28358), "Effect of electromagnetic microwave radiation on the functional state of the myocardium" [human studies]

2148. DYACHENKO, N. A. (1970) Gigiyena i Professional'nyye Zabolevaniya, Moscow, _(7):51-52, (In JPRS 51238, & #70-39486), "Change in thyroid function [using ^{131}I in humans] after chronic exposure to microwave irradiation"

2149. EAKIN, S. K., & THOMPSON, W. D. (1965) Psycholog. Rept. 17:595-602, "Behavioral effects of stimulation by UHF radio fields"

2150. EDMONDS, E., & HARTRANFT, J. (1971) Health Physics 21(3):457-461, "A survey of residential and commercial microwave ovens in Orange County, California"

2151. EINAUGLER, R. B., & KURZ, G. B. (1968), Amer. J. of Ophthalmology 66(5):866-869, (Abstr. #A69-80371), "Cataract secondary to microwave radiation"

2152. FINOLF, C. W. (1968), Ph.D. Disseration, U. of Rochester (Dissertation Abstr. 29(5):1568B (Nov)), "The low frequency dielectric dispersions of microorganisms"

2153. ELY, T. S. (1971) In Letters to the Editor section of J. Amer. Med. Assoc. 217(10):1394 only, "Microwave death" [quotes section of an Armed Forces Inst. of Pathology rept. which discounted a report (citation #953, this Biblio.) of a human death allegedly induced by radar]

2154. ENGLAND, T. (1949) Nature 163(4143):487-, "Dielectric properties of the human body in the microwave region of the spectrum"

2155. FABIAN, F. W., & GRAHM, H. T. (1933) J. of Infectious Diseases 55:76-88, "Influence of high-frequency displacement currents on bacteria"

2156. FARNEY, J. H., & POWELL, C. H. (1967) Amer. Industrial Hygiene Assoc. J. 28(4):335-342, "Field measurement of ultraviolet, infrared, and microwave energies"

2157. FISCHER, H., & MULLER, H. (1964) Truppenpraxis (Tactics, Technique, and Training for Officers of the Military), Rept. No. 10,pp. 757-758, (Abs-80058), "Are radar waves dangerous to man?"

2158. FISHER, L. J. (& CARPENTER, R. L.), (1969) Ph.D. Dissertation, Tufts Univ. (University Microfilms, Inc., No. 70-18,002), "Peak versus average power in microwave induction of lenticular cataracts"

2159. FREY, A. H., & EICHERT, E. E., III (1971) Randomline, Inc., (Willow Grove, Pa.), Rept., 63 pages, "On the nature of electrosensing in the fish"

2160. FRY, J., & ROGERS, R. (1972) Spectrum, Inst. of Electrical & Electronics Engineers, Inc., 9(3):41-47, "What's ahead for microwaves" [including research on health hazards]

2161. FRIED, A. W., JR. (1972) Naval Medical Res. Inst. (Bethesda, Md.), (Research Rept. No. 4 on Project MF12.524.015-0001B), "Low frequencies, motile cells, measurements, and models: Part I. The effects of low frequency electric fields on [illegible] and their uses as tools for studying cellular structure"

2162. FLITT, C. P. (1960) Office of Naval Research (London) Rept., 5 pages (AD #244870L), on the "Fourth Annual Tri-Service Conference on the Biological Effects of Microwave Radiation"

2163. GALANIN, N. F., POLYAK, B. L., VOLKOV, V. V., KRICHAGIN, V. I., & MIKHEEV, V. I. (1956) Voennomed Zh. (9):25-37, "Work conditions for radar set operators and the possible preventive measures against general fatigue and eye fatigue"

2164. GELLIN, G. A. (1971) In the Questions & Answers section of J. Amer. Med. Assoc. 216(10):1651 only, "Effect of microwave oven on facial radiodermatitis"

2165. GLAGLE, Z. E., & HEITE, C. H. (1972) Bioenvironmental Safety 4(1):10-15, (Jan), "Determination and elimination of hazardous microwave fields aboard Naval ships"

2166. GLADKOVA, L. V., & SADCHIKOVA, N. N. (1970) Gigiyena Truda i Professional'nye Zabolevaniya, Moscow, (7):24-27, (In JPRS 51235, #79-39485), "Development and clinical course of cardiovascular changes after chronic exposure [of humans] to microwave irradiation"

2167. GOLDBLITH, S. A. (1966) Advances in Food Research 15:277-301, "Basic principles of microwaves and recent developments"

2168. GOLDBLITH, S. A. (1967) J. of the Amer. Dietet. Assoc. 51:233-237, "Possible applications to food of ionizing and nonionizing radiations"

2169. GORDON, S. A., & MILLER, J. S. (1962) Interim Report (NASA-R-46, N63-11540), "Growth and development of plants in compensated gravitational, magnetic, and electrical fields"

2170. GORDON, Z. V. (1970), In: Ergonomics & Physical Environmental Factors, (Vol. 21 of the Occupational Safety and Health Series), Internat. Labour Office, Geneva, pp. 159-172, (In Fr.), "Occupational health aspects of radio-frequency electromagnetic radiation"

2171. GORODETSKA, S. F., LISINA, G. G., & RAPOPORT, M. B. (1969), Fiziologichnii Zhurnal 15:805-811, (In Ukrain.), (Abstr. #A70-18730), "Hemopoietic condition due to the action of radio waves" [rabbits and mice]

2172. GRENELL, R. G., & McCULLOCH, D. (1967) (Abstr. #N67-26284), 25 pages, "Molecular binding in the cell surface: Progress report" [Spectral analyses of microwave absorption in protein solutions, water, and organic solvents by molecular bonding to cell surface]

2173. HAINES, G. F., JR., & HATCH, T. (1952) Heating and Ventilating, (November), pp.?, "Industrial heat exposures, evaluation and control"

2174. HAMER, J. R. (196?) Report: Space Biology Laboratory, Brain Research Institute, Univ. of Calif., Los Angeles, (N68-16112), (NASA CR or TMX C1-92700-04, AF49638138?), "Effects of low level, low frequency electric fields on human reaction time"

2175. HAYASI, O. (1938) Acta Soc. Ophthalm. Jap. 42:1747-1758, (In Jap., with Ger. summary), (Abstr. in: Zentralbl. f. d. ges Ophth. 42(12):591 (Mar 21, 1939)), "Experimental investigation on the effect of ultrashort waves on the eye. Report I. Effect on the viscosity and the refractive index of the aqueous and the vitreous humor"

2176. HAYASI, O. (1939) Acta Soc. Ophthalm. Jap. 43(7):1727-1736, (In Jap. with Ger. summary on pp. 101-102), (Abstr. in: Zentralbl. f. d. ges. Ophth. 47(2):25 (Sept 30, 1941)), "Experimental investigation on the influence of ultrashort waves on the eye. Report II. The influence of the temperature on eye tissues"

2177. HEUBER, R. (1961) Electromed. 6:193-209, (Transl. as AD 0467645-L), "The biological effects of microwaves"

2178. HINES, H., & RANDALL, E. (1952) Elect. Engineer. 71:879-881, "Possible industrial hazards in the use of microwave radiation"

2179. HIRSCH, F. G. (1970) Lovelace Foundation for Medical Education and Research, Albuquerque, N. M., 17 pages, "Microwave cataracts - A case report reevaluation"

2180. HODGE, D. M. (ed.) (1970) for Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept. No. DBE 70-1), (NTIS Rept. No. PB-190-110), 213 pages, Radiation Bio-Effects Summary Report

2181. HODGE, D. M. (ed.) (1970) for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept. No. BRH/DBE 70-7), 267 pages, Radiation Bio-Effects Summary Report

2182. HOOD, O. C., KESHISHIAN, J. M., SMITH, N. F. D., PODOLAK, E., HOFFMAN, A. A., & BAKER, R. R. (1972) Aerospace Med. 43(3):314-322, "Anti-hijacking efforts and cardiac pacemakers - Report of a clinical study" [using an external electromagnetic field (at 239 MHz) from a weapons detector]

2183. HORNOWSKI, J., & MARKS, E. (1968) Neurological i neurochirurgia Polska 2:25-29, (In Pol.), (Abstr. #A68-21426), "Clinical observations concerning the effect of microwaves on the nervous system"

2184. HOUK, W. (1972) Presented at: Aerospace Medical Assoc., 43rd Ann. Meeting, 8-11 May, Bal Harbour, Fla., "Human responses to microwave irradiation - A review of and evaluation of published reports"

2185. HOWLAND, J. L., & MICHAELSON, S. M. (1966) Blood 28:157-162, (Abstr. #A66-32395), "Leukocyte response following simultaneous ionizing and microwave (radar) irradiation"

2186. HOWLAND, J. L., MICHAELSON, S. M., & THOMSON, R. A. E. (1965) Aerospace Medicine 36:1059-1064, "Comparative studies on 1285 and 2890 Mc/sec pulsed microwaves" [dogs]

2187. IKEDA, H. (1966) Nippon Acta Radiol. 26:284-288, (A67-81094), "Studies on biological effects of microwave radiation (second report). Investigation of shielding effect of concrete, Lauan, and glass against microwave radiation"

2188. INGLIS, L. F. (1969) In: Record, 11th Electromagnetic Compatibility Symposium, Inst. of Electrical and Electronics Engineers, Asbury Park, N. J., pp. 7-11, (Abstr. #A69-42216), "The compatibility of man in the microwave environment" [human responses; thermal & nonthermal effects, eye damage, & information storage]

2189. INGLIS, L. F. (1970) In: IEEE Record of Internat. Sympos. on Electromagnetic Compatibility, Anaheim, Calif., pp. 168-172, (Abstr. #A71-38442), "Why the double standard? - A critical review of Russian work on the hazards of microwave radiation"

2190. IRVIN, D. D., RUSH, S., EVERING, R., LEITSCHUH, E., MONTGOMERY, D. B., & WIGGILL, R. J. (1970) IEEE Trans. on Magnetics, MAG-6(2):321-322, "Stimulation of cardiac muscle by a time-varying magnetic field"

2191. JACOBS, S. E., THORNLEY, M. J., & MAURICE, P. (1950) Proc. of the Soc. for Applied Bacteriology __(2):161-169, "The survival of bacteria in high-frequency electric fields"

2192. KADOUM, A. M., HALL, H. J., & NELSON, S. O. (1967) Ann. of the Entomol. Soc. of Amer. 60:889-892, "Morphological abnormalities resulting from radio-frequency treatment of larvae of Tenebrio molitor"

2193. KADOUM, A. M., HALL, H. J., & STETSON, L. E. (1967) Ann. of the Entomol. Soc. of Amer. 60:1195-1199, "Metabolism in the yellow mealworm, Tenebrio molitor (Coleoptera: Tenebrionidae), following exposure to radiofrequency electric fields"

2194. KADOUM, A. M., NELSON, S. O., & STETSON, L. E. (1967) Ann. of the Entomol. Soc. of Amer. 60:885-889, "Mortality and internal heating in radio-frequency-treated larvae of Tenebrio molitor"

2195. KAMAT, G. P. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. DBE 70-1), pp. 106-110, "Studies on the biological and physico-chemical properties of 2450 MHz microwave irradiated human immunoglobulin G (IgG)"

2196. KAMAT, G. P. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.) for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 137-141, "Some preliminary observations on autoimmune response in rats exposed to 2450 MHz microwaves"; pp. 142-146, "Absence of immunoglobulin aggregates in human plasma warmed with 2450 MHz microwaves"; and (with LASKEY, J. W.) pp. 146-153, "Enzyme inactivation in vitro with 2450 MHz microwaves"

2197. KAMAT, G. P., & JAMES, D. E. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept. No. DBE 70-1), pp. 95-105, "Studies on the effect of 2450 MHz microwaves on human immunoglobulin G"

2198. KIRN, R. (1935) Klin. Mbl. Augenh. 95:105 (July/Dec), (In Ger.), (Abstr. in: Zentralbl. f. d. ges. Ophth., 35(3):177-[illegible] (1936)), "Experimental investigations on the effects of short waves on the eye"

2199. KLIN, P. S., & ROGERS, S. J. (1970) Non-Ionizing Radiation 1(4):178-189, (Abstr. #A71-[illegible]), "Radio hazards [to humans] in the U.F./H.F. band"

2200. LIU, J. K. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 83-84, "Measurement of absorbed microwave energy in biological equivalent phantom models"

2201. [illegible], T. (1969) Jpn. Acad. of Sci. 76:510-516, "The effect of an electromagnetic field on early embryogenesis in quail"

2202. [illegible], V. A., & [illegible], V. A. (1971) Biophysics 16(2):265-269, (In Russ.), "Dielectric parameters of human blood serum in the range of 1-[illegible] MHz/sec"

2203. [illegible], J. C., & [illegible], L. P. (1972) Inst. of Electrical & Electronics Engineers, Trans. on Biomed. Eng., BME-19(1): 53-58, "Hot spots generated in conducting spheres by electromagnetic waves and biological implications"

2204. KURZ, G. H., & EINAUGLER, R. B. (1968) Amer. J. of Ophthal. 66:866-869, (A69-80571), "Cataract secondary to microwave radiation"

2205. LABES, M. M. (1970) Final Report on NASA Grant NGL 39-004-015, June 1967 - Sept. 1970, (N71-12313 to N71-12324), (CR-111582), 83 pages, Drexel Univ., Chemistry Dept., Philadelphia, Pa., "Mechanisms for the effect of electric and magnetic fields on biological systems" (collection of papers by LABES, et al.)

2206. LASKEY, J. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), p. 167 only, "Lethal dose of 2450 MHz microwave irradiation at various power densities in the Sprague-Dawley rat (A preliminary report)"

2207. LASKEY, J., DAVES, D., & HOLES, M. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 167-173, "Progress report on 2450 MHz irradiation of pregnant rats and the effect on the fetus"

2208. LATTES, R. G., & BRECHER, S. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 229-232, "Microwave irradiation of peripheral leukocyte cultures without average temperature rise of culture medium"

2209. LAZARUS, H. D., & LEVEDAHL, B. H. (1962) U. S. Atomic Energy Commission, Rept. No. TID-3912 (Biol. & Med.), Exp. section 10. (Microwaves, pp. 431-451), Effects of Radiation on the Mammalian Eye: A Literature Survey

2210. LEYTES, F. L., & SKURIKHINA, L. A. (1961) Biull. Eksp. Biol. Med. 52(12):47-50, "The effect of microwaves on the hormonal activity of the adrenal cortex"

2211. LIBEZNI, P. (1936) Biology and Therapy, Moscow, "Short and ultrashort waves"

2212. v. LUCOSSY, C. (1942) Klin. Mbl. Augenh. 108:319-328 (May/June), (In Ger.), "Effect of diathermy on the eye"

2213. LUKOFF, L., & LOWERS, C. (1960) Klin. Mbl. Augenh. 137:232-238, (In Ger.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 81(5):295 (Mar 1961)), "The sclera after non-perforating electro-coagulation"

2214. MacGREGOR, R. J. (1970), (Abstr. #N71-14482; AD 712694), "A brief survey of literature relating to the influence of low intensity microwaves on nervous function"

2215. MacGREGOR, R. J. (1970) The Rand Corp. Rept. P-4398, "A direct mechanism for the influence of microwave radiation on neuroelectric potentials"

2216. MAJEWSKA, K. (1968) Polish Medical J. VII:989-994, "Investigations on the effect of microwaves on the eye"

2217. MARGUTTI, V. M. (1972) J. of the Amer. Inst. of Homeopathy 65(1):7-20, ("to be cont'd in June '72 issue"), "The minima, man, and biomagnetism: Some contemporary concepts" ["interesting" (?) reading]

2218. MEZEROVA, V., & SYNEK, V. (1970) Pracovni lekarstvi 22(1):1-5, "Evaluation of important factors influencing EEG findings in persons with a long-term exposure to electromagnetic radiation in the meter wave band"

2219. MEZEROVA, V., SYNEK, V., & VOLAVKA, J. (1970) Pracovni lekarstvi 21(1):5-7, "The effect of the electromagnetic radiation in meter wave band on the EEG frequency spectrum of exposed persons"

2220. MICHAELSON, S. M. (1969) Presented at Ind. Neurol. Conf., Prague, (Abstr. #N70-12450), "Microwave standards - a comparative analysis" [between U. S. & Russia of quantification of biological responses]

2221. MICHAELSON, S. M. (1971?) American Industrial Hygiene Assoc. J. 32:338-345, "Biomedical aspects of microwave exposure"

2222. MICHAELSON, S. M., & SETH, H. S. (1965) J. of Occupational Medicine 7:439-442, (Abstr. #A65-82061), "Microwave cataractogenesis"

2223. MILROY, W. C. (1972) Presented at: Aerospace Medical Assoc., 43rd Ann. Meeting, 8-11 May, Bal Harbour, Fla., "Neuroendocrine effects of microwave radiation"

2224. MILROY, W. C., & MICHAELSON, S. M. (1972) Aerospace Med. 43(1):67-75, "Microwave cataractogenesis: A critical review of the literature"

2225. MILROY,, W. C., & MICHAELSON, S. M. (1972) Internat. J. of Environmental Studies (In Press, Spring 1972), "The microwave controversy"

2226. MILLS, L. F. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 50-52, "Biological effects of diathermy"

2227. MILLS, L. F., & SEGAL, P. (1970) Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-6), 55 pgs., "Radiation incidents registry report 1970" [approx. 15% of the total number of incidents reported (133) involved microwave and/or radio frequency equipment]

2228. MINECKI, L. (1959) Medycyna Pracy 10(1):57-68, (In Pol.), "Hygienic importance of electrical currents of high and ultrahigh frequencies"

2229. MINECKI, L. (1961) Medycyna Pracy (Poland) 12:337-344, (FTD-TT-61-380), "The health of persons exposed to the effect of high frequency electromagnetic fields"

2230. MIRIMANOFF, A. (1927) Revue Gen. D'Opht. 51:97-119, (In Fr.), "Diathermy in ophthalmology"

2231. MIRUTENKO, V. I. (1964) In: Problems of the Biophysics and Mechanism of Action of Ionizing Radiation, Kiev, Zdorov'ya, pp. 79-82, "Heat distribution in the organs and tissues of animals exposed to UHF electromagnetic field"

2232. MOHR, G. C., & CASHIN, J. L. (1970) Aerospace Med. Res. Lab., Wright-Patterson AFB, Rept. AMRL-TR-68-32, "Biomagnetic response of simple biological systems and the implications for long duration space missions" [results indicated no significant effect on the two biologic systems studied]

2233. MONBRUN, A., & CASTERAN, H. (1927) J. d'Opht. Med. Franc. 16:136 (April), (In Fr.), "Diathermy in ophthalmology"

2234. MONCREIFF, W. F., COULTER, J. S., & HOLMQUEST, H. J. (1932) Amer. J. of Ophth. 15(3):194-205, (Abstr. in: Zentralbl. f. d. ges. Ophth. 27(7):406-407 (1932)), "Experimental studies in diathermy applied to the eye and orbit. A. Thermal effect of diathermy"

2235. MONCREIFF, W. F., COULTER, J. S., & HOLMQUEST, H. J. (1933) Amer. J. of Ophth. 16(3):193-199, (Abstr. in: Zentralbl. f. d. ges. Ophth. 29(6):347 (1933)), "Experimental studies in diathermy applied to the eye and orbit. B. Comparison of thermal effects of diathermy, infrared radiation, and an electric heating pad"

2236. MUSIL, J. (1970) Ceskoslovenska hygiena 15(9-10):315-320, (In Czech.), "Values of field intensity in the surroundings of high frequency industrial generators"

2237. NELSON, S. O. (1966) Farm, Ranch, & Home Quart., No. 132, pp. 15-16, (Summer), "New ways to control insects" [including use of r-f radiation]

2238. NOVITSKIY, Yu. I., GORDON, Z. V., PRESMAN, A. S., & KHOLODOV, Yu. A. (1971), (Transl. from Russ.), NASA TT-F-14,021, Radio Frequencies and Microwaves: Magnetic and Electrical Fields

2239. OLSEN, C. M. (1965) Food Engineering 37:51-54, "Microwaves inhibit bread mold"

2240. OLSEN, C. M., DRAKE, G. L., & BUNCH, S. L. (1966) J. of Microwave Power 1:45-56, "Some biological effects of microwave energy"

2241. OSTROM, J. W. (1971?) Raytheon Co. Report, (Abstr. #A72-14032), "Comparison of potential device interference and biological exposure hazards in microwave leakage fields"

2242. PASCA, M. (1934) Studi Sassar., Sec. 2. 12:807-812, (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Opath. 34(3):137 (1935)), "Research on the possibility of producing a cataract by trans-scleral diathermy"

2243. PAZDERA, J. (1968) Pracovni lekarstvi 20(10):447-457, (In Czech.), (Transl. by A. Marosi, (ed. by F. S. Hirsch), Loveland Found. for Ed. Education and Res., Albuquerque), "Effects of electromagnetic radiation of the order of centimeter and meter wavelength on human's health"

2244. PIKKEPS, S. (1966) Gigiyena Truda i Professional'nyye Zabolevaniya, Moscow, (7):18-21, (ATD-66-123, N67-14373), "Hemodynamic indices during the action of superhigh frequency electromagnetic fields"

2245. PETROV, I. R. (1968) Transl. (from Russ.) of citation #1218 (this Biblio.), (Rept. No. N70-30464, NLL-Transl-2629-(9022.81)), "Aetiology of ultra-high frequency exposure" [combined effects of microwave radiation and rarified atmosphere on immunization reactions of human organisms]

2246. PETROV, I. R., (ed.), (1970) (In Russ.), "Meditsina" Press, Leningrad, (NASA Transl. No. TT-F-708, (1971)), Influence of Microwave Radiation on the Organism of Man and Animals

2247. PLITAS, P. S. (1935) Sovet. Vestn. Oftal. 7(4):442-447, (In Russ.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 36(1): 23-24, and Am. J. of Ophth. 19(5):449 (May 1936)), "Modification of the visual organ under the influence of ultrashort radio waves"

2248. POSCH, H. A. (& KOLIN, A.), (1970) Ph.D. Dissertation, U. of Calif., 145 pp. (N71-36484), "Studies on magnetic field exposures of Drosophila melanogaster and Pelvetia fastigiata"

2249. PUGLISI-DURANTI, G. (1935) Boll. Ocul. 14:383-445, (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 34(3):177-178), "Lesions due to the diathermic coagulation of the vitreous humor"

2250. PUNTENNEY, I., & OSBORNE, S. L. (1939) Arch. Ophth. (Chicago) 22(2):211-227, (Abstr. in: Zentralbl. f. d. ges. Ophth. 45(3):148 (Apr 30, 1940)), "Temperature changes and changes in caliber of retinal blood vessels after short wave diathermy"

2251. RAFAILA, E., LAZARAJAN, I., PREDA, E., POPESCO, P., ROVENTA, A., & TEODULESCO, D. (1970) In: Ergonomics and Physical Environmental Factors, (Vol. 21 of the Occupational Safety and Health Series), Internat. Labour Office, Geneva, (In Fr.), pp. 175-177, "Researches concerning changes in the organism in personnel employed in radar installations"

2252. REMARK, D. G. (1971) USDHEW/PHS, Bur. of Rad. Health, (Pub. No. BRH/NERHL 71-1), 38 pages, "Survey of diathermy equipment use in Pinellas County, Florida"

2253. RHEIN, R. A. (1972) U. S. Medicine 8(5): pp. 3 & 23 (Mar 1), [Describes work of D. E. Justesen on rats and mice], "Microwaves inhibit tumor induction"

2254. RIFFENBURGH, R. S. (1953) U. S. Armed Forces Med. J. 4(1):71-72, "Ocular fatigue in the radar operator"

2255. ROBE, A. (1966) Food Processing and Marketing 27:84-86, "Improved flavor of pasteurized products [cooked with microwv. radiation]"

2256. ROSE, V. E., GELLIN, G. A., & POWELL, C. H. (1970) In: Ergonomics and Physical Environmental Factors, (Vol. 21 of the Occupational Safety and Health Series), Internat. Labour Office, Geneva, pp. 178-185, "Evaluation and control of exposures in repairing microwave ovens"

2257. ROSE, V. E., POWELL, C. H., LaNIER, M. E., & SWANSON, J. R. (1970) In: Ergonomics and Physical Environmental Factors, (Vol. 21 of the Occupational Safety and Health Series), Internat. Labour Office, Geneva, pp. 186-, "A review of U. S. microwave exposure criteria"

2258. ROSENTHAL, S. W. (1970) In: Proc. of Hungarian Acad. of Sci., & Sci. Soc. for Telecommunication, Colloq. on Microwave Communication, 4th, Budapest, (Apr. 21-24, 1970), (Abstr. A70-43790), "Safety standards and biological effects of microwave radiation"

2259. ROSENTHAL, D. S., & BERRING, S. C. (1968) J. of the Amer. Medical Assoc. 205(4):105-108, "Hypogonadism after microwave radiation"

2260. RUGGERA, P. S., & FLOYD, R. L. (1971) USDHEW/PHS, Bur. of Rad. Health (Pub. No. BRH/DEP 71-5), 25 pages, "Electromagnetic radiation interference with cardiac pacemakers"

2261. RUSSO, F., & CALDWELL, W. F. (1971) Genetic Psychology Monographs 84:177-243, "Biomagnetic phenomena: Some implication for the behavioral and neurophysiological sciences"

2262. SABICKI, W., & OSTROWSKI, K. (1968) Amer. J. of Physical Medicine 47:225-234, (A69-30117), "Non-thermal effect of microwave radiation in vitro on peritoneal mast cells of the rat"

2263. SCHLESINGER, J. W. (1933) Public Health Reports 48:844-858 (July), "Heating effect of very high frequency condenser fields on organic fluids and tissues"

2264. SCHLEIFER, L. (1939) Dissertation, Frankfurt a. M., 18 pages, (In Ger.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 46(11): 336 (Feb 18, 1941)), "Results of histological studies using short wave radiation"

2265. SCHMIDT, M. J., SCHMIDT, D. E., & ROBISON, G. A. (1971) Science 173:1142-1143 (17 Sept), "Cyclic adenosine monophosphate in brain areas: Microwave irradiation as a means of tissue fixation"

2266. SCHWAN, H. P. (1952) Abstr. in Federation Proceedings 11:142 only, "Electrical properties of blood at ultrahigh frequencies"

2267. SCHWAN, H. P. (1965) Technical Progress Report (AD #615661, N65-28329), "Non-thermal effects of alternating electrical fields on biological structures"

2268. SCHWAN, H. P. (1971) Naval Weapons Lab. (Dahlgren, Va.), Tech. Rept. TR-2713, "Hazards from exposure to electrical fields and potentials"

2269. SHELDON, L. (1944) Bureau of Med. (U. S. Navy) News Letter 3(10):30-31, "Radar operation not harmful to the eyes"

2270. SHIVELY, J. N. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 201-203, "A pilot study of effects of microwave exposure on ontogenesis" [using 2 - 3 day old dogs]

2271. SIGELMAN, S., & FRIEDENWALD, J. S. (1954) A.M.A. Arch. of Ophth. 52(1):46-57, (Abstr. in: Ophth. Lit. 8(3):356 (Mar 1955)), "Mitotic and wound healing activities of the corneal epithelium. Effect of sensory denervation"

2272. SILVERMAN, C. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. DBE 70-1), p. 22 only, "Parental radiation exposure and Down's syndrome (mongolism)"

2273. SILVERMAN, C. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 22-23, "Parental radiation exposure and Down's syndrome (mongolism)"; and pp. 45-46, "Follow-up study of radar workers"

2274. SIMONELLI, N., & RIZZINI, V. (1952) Giorn. Ital. Oftal. 5(3):190-196 (May/June), (In Ital., with Fr., Eng., & Ger. summaries), (Abstr. in: Zentralbl. f. d. ges. Ophth. 59(1):55 (Mar 1953), and Ophth. Lit. 6(3):263 (Dec 1952)), "Further contribution to the study of the effect of microwaves on the eye"

2275. SLINEY, D. H., & PALMISANO, W. A. (1967) Army Environmental Hygiene Agency Rept. (N67-32384, AD 652709), "Microwave hazards bibliography"

2276. STOCKER, E. (1951) Arch. of Physical Medicine 32:408-416, "The effect of microwave radiation on the peripheral pulse volume, digital skin temperature, and digital blood flow in man"

2277. STUMPFIG, H., & THUY, H. (1955) Ber. dtsch. Ophthal. Ges. 59:361-363, (In Ger.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 65(6):358-359 (Oct 1955)), "Eye alterations in rabbits due to microwaves and eddy currents"

2278. SVENSON, J. R., ROSE, V. E., & POWELL, C. H. (1970) Amer. Indust. Hygiene Assoc. J. 31:623-6[illegible], "A review of international microwave exposure guides"

2279. SYLOR, H. L. (1971) USDHEW/PHS, Bur. of Rad. Health (Pub. No. BRH/DEP 71-1), 13 pages, "Microwave measurements and new types of detectors for evaluation of health hazards"

2280. TAPIE, R. L. (1969) Pacific Missile Range (Pt. Mugu, Calif.), Rept. PMR-TM-69-6(U), "A study of personnel radiation hazards created by selected high-power radar sets"

2281. TELL, R. A. (1971) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 75-77, "Radio frequency and microwave energy absorption in tissue"; and (with ERTL, J. E.), pp. 78-79, "Heating with diathermy"

2282. TESSER, C. F. (1963) Military Medicine 128:734-744, (A63-18691), "The effect of electromagnetic radiation on tissue"

Reproduced from best available copy.

2283. THOMPSON, H. D., & BOURGEOIS, A. E. (1971) In: Pharmacological and Biophysical Agents and Behavior, Furchtgott, E., (ed.), Academic Press, N. Y., pp. 65-93, "Non-ionizing radiations"

2284. TIKHONOV, F. D. (1970) Voen.-Meditsinskii Zhurnal __:44-46, (In Russ.), (Abstr. #A71-21955), "Functional disturbances of the gastrointestinal tract in [human] subjects working in a microwave field"

2285. TOLOSKAYA, N. S., & GORDON, Z. V. (1971) Meditsina Pub. House, Moscow, 135 pages, (In Russ.), Morphophysiological Changes During the Action of Radio-Frequency Electromagnetic Waves

2286. VALTONEN, E. J. (1967) Z. Zellforsch. Mikroskop. Anat. 80:322-328, "Observations on the fine structure of giant mast cells produced by microwave radiation on the peritoneal fluid"

2287. VALTONEN, E. J. (1968) Amer. J. of Physical Medicine 47:75-83, "Effect of treatment with short wave diathermy on the histamine content of various organs"

2288. VAN ZANTE, H. J., & JOHNSON, S. K. (1970) J. of the Amer. Dietetic Assoc. 56:133-135, "Effect of electronic cookery on thiamine and riboflavin in buffered solutions"

2289. VARMA, S. K. (1969) Dissertation Abstr. 23(2):1174-1175, "The effects of temperature, light, and RF radio waves upon the gametogenic development of Tilapia macrocephila"

2290. VOGT, A. (1912) Arch. f. Ophth. 83(1):99-113 (Ext), (In Ger.), "Some measurements on the diathermancy of the human eyeball, its media, and the human eyelid, in addition to observations of the biological effects of infrared (radiation)"

2291. VON EULER, C. (1947) Acta Physiologica Scandinavica 14, Supplement 45, pp. 1-75, "Selective responses to thermal stimulation of mammalian nerves"

2292. WINTER, F. C., & BOOMER, R. B. (1959) Am. J. of Ophth. 48(3)II:336-337, "Changes in corneal astigmatism observed following surface diathermy to rabbit corneas"

2293. YAGI, K. (1970) Nippon Acta Radiol. (Jan.) 30:184-204, (In Jap., with Eng. abstr., fig. titles, and biblio.), "Local aplastic bone marrow induced by microwave irradiation in rabbits; especially histological and histochemical studies"

2294. YAO, K. C., & JILES, M. M. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept. No. DBE 70-1), pp. 185-187, "Effects of 2450 MHz microwave radiation on cultivated rat kangaroo cells"

2295. YAO, K. C., & JILES, M. M. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BBE-DBE 70-7), pp. 233-235, "Mortality patterns of microwave irradiated rat kangaroo cells in culture"

2296. ZAFFT, M. (1969) 40th Annual Sci. Meeting of the Aerospace Med. Assoc., San Francisco, "Ophthalmic hazards of microwave and laser environments"

2297. ZIMAN, N. N., COSMOVICI, N., VOICU, A., STRATULAT, L., & BOLDEAN, I. (1967) Cercet Balneol Fiziolter 5:61-67, (A68-80778), "Histochemical studies on some alterations of the animal organism under the action of microwaves"
(or Tsitologiia)
2298. ZUFAROV, K. A., & SHMAIVAIS, V. B. (1970) Zytologia 12(2):146-151, (In Russ.), "Reactions of the mitochondria of the liver of white mice to the action of electromagnetic fields" [swelling, lysis, and appearance of giant cells, at low field

2299. "Important areas of electronic research; Compilation of statements by leaders in the field", (AD 703691), (N.P.), (N.D.),

2300. "The biological action of radio frequency electromagnetic fields and magnetic fields: Summary report" of the Panel on Magnetic, Radio Frequency, and Other Field Effects, Environmental Biology Committee, Space Science Board, [illegible], (N63-23563), (Oct. 1963)

2301. "Association of Radio-Frequency Hazards Problems", Chief of Naval Operations Instruction [OPNAVINST 3101.13] of [illegible] 1968, ("To promulgate policy pertaining to the resolution of radio frequency hazard problems involving ordnance, personnel, and volatile materials, and to assign responsibilities in connection therewith")

2302. "Agencies react to electromagnetic radiation risks," Electronics __:35-36, (Aug. 16, 1971)

2303. "A study of information currently available on electromagnetic side effects," Rept. by Interference Consultants, Inc., Boston, for Office of Telecommunications Management, Office of Emergency Preparedness, Executive Office of the White House, Vol. I, 66 pp. (PB 203147), Oct. 1968; Vol. II, 60 pp. (PB 203148) containing bibliography and historic documents, Sept. 1970

2304. "Electromagnetism to induce abortion? Experiments show exposure to microwave radiation can cause resorption of rat fetuses," Medical World News, p. 48? only, [describes work of R. L. Brent] (April 9, 1971)

2305. "'Electrosleep' held aid in depression, anxiety," U. S. Medicine 7(22): pp. 10 and 13, (15 Nov. 1971)

2306. "Limb regeneration in mammals: Research indicates that electricity stimulates partial regrowth of amputated limbs of rat," Science News __(__):322-323 (Nov. 13, 1971)

2307. "Microwave safety," Circular No. 4.601, Div. of Radiological Health, Bur. of Environmental Health, Illinois Dept. of Public Health (1971)

2308. "Radar radiation riles residents," Industrial Research, p. 29 only, (Mar. 1972)

Reproduced from best available copy.

2309. "Radiation hazards," [Including RF and microwave frequencies], from Interference Technology Engineers' Master, (R & B Enterprises, P. O. Box 328, Plymouth Meeting, Pa.), pp. 102-104 (1972.

2310. "Effects of microwave irradiation - USSR," Rept. (JPRS 51238 & N70-39484), containing articles by Glotova & Sadchikova, and by Dyachenko (numbers 2166 and 2148, respectively, this Bibliography), from Gigiyena Truda i Profesional'nyye Zabolevaniya, Moscow, (1970)

2311. "Annual Report on the Administration of the Radiation Control for Health and Safety Act of 1968". Message from the President of the United States Transmitting the Annual Report on the Administration of the Radiation Control for Health and Safety Act of 1968 (Public Law 90-602), covering 1970. 92nd Congress, 1st Session, House Document No. 92-113, U. S. Government Printing Office, Washington, D. C., 1971